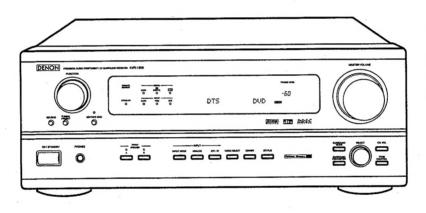
Hi-Fi Component

SERVICE MANUAL

MODEL AVR-1800/87

AV SURROUND RECEIVER





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• Some illustrations using in this service manual are slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

AUDIO SECTION

(Power Amplifier)

Rated output: (All properties shown are only

for the power amplifier stage.)

Dynamic power:

Output terminals:

(Analog) Input sensitivity/input impedance:

Frequency response: S/N:

Distortion:

Rated output/maximum output:

(Digital)

D/A output:

Digital input:

(Phono equalizer (PHONO input-REC OUT))

Input sensitivity: RIAA deviation:

Signal-to-noise ratio:

Rated output/Maximum output:

Distortion factor:

VIDEO SECTION

(Standard Video Jacks) Input/output level and impedance:

Frequency response:

TUNER SECTION

Receiving range:

Usable sensitivity:

50 dB quieting sensitivity:

S/N ratio

Total harmonic distortion (at 1 kHz):

GENERAL

Power supply:

Power consumption:

Maximum external dimensions:

Stereo (2ch driven):

75 W + 75 W 110 W + 110 W

(8 Ω /ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.) (6 Ω/ohms, 1 kHz with 0.7 % T.H.D.)

100 W × 2 ch (8 Ω/ohms)

145 W × 2 ch (4 Ω/ohms) 170 W × 2 ch (2 Ω/ohms)

Surround/Center: 6 ~ 16 O/ohms A or B Front: $6 \sim 16 \Omega/\text{ohms}$

A + B8 ~ 16 Ω/ohms

200 mV/47 kΩ/kohms 10 Hz ~ 50 kHz: +0, -3 dB

102 dB

0.01 % (20 Hz ~ 20 kHz)

1.2 V/7 V

Rated output - 2 V (at 0 dB playback) Total harmonic distortion - 0.008% (1 kHz, at 0 dB)

S/N ratio - 102 dB Dynamic range - 96 dB Format - Digital audio interface

2.5 mV ±1 dB (20 Hz to 20 kHz)

74 dB (A weighting, with 5 mV input)

150 mV/7 V 0.03% (1 kHz, 3 V)

1 Vp-p, 75 Ω/ohms

5 Hz ~ 10 MHz - +0, -3 dB

[FM] (Note: μ V at 75 Ω /ohms, 0 dBf = 1 \times 10⁻¹⁵ W)

87.50 MHz ~ 107.90 MHz (for North America model) 87.50 MHz ~ 108.00 MHz (for Europe, China, Hong Kong,

Taiwan R.O.C. and Multiple voltage models)

1.0 µV (11.2 dBf)

MONO 1.6 µV (15.3 dBf)

STEREO 23 µV (38.5 dBf) MONO 80 dB

STEREO 75 dB MONO 0.15 %

STEREO 0.3 %

AC120 V, 60 Hz (for North America and Taiwan R.O.C. models)

AC230 V, 50 Hz (for Europe model) AC220 V. 50 Hz (for China model)

AC115/230 V, 50/60 Hz (for Hong Kong and Multiple voltage models)

4.5 A (for North America model)

270 W (for Europe, China, Hong Kong, Taiwan R.O.C. and Multiple voltage models)

[AM]

18 μV

520 kHz ~ 1710 kHz

522 kHz ~ 1611 kHz

(for North America model)

(for Europe, China, Hong Kong,

Taiwan R.O.C. and Multiple voltage models)

434 (W) × 171 (H) × 416 (D) mm (17-3/32" × 6-47/64" × 16-3/8")

11.4 kg (25 lbs. 2 oz.)

REMOTE CONTROL UNIT (RC-863: for North America, China, Hong Kong, Taiwan R.O.C. and Multiple voltage models) (RC-868: for Europe model)

R6P/AA Type (three batteries) Batteries:

61 (W) × 230 (H) × 34 (D) mm (2-13/32"× 9-1/16" × 1-11/32") External dimensions:

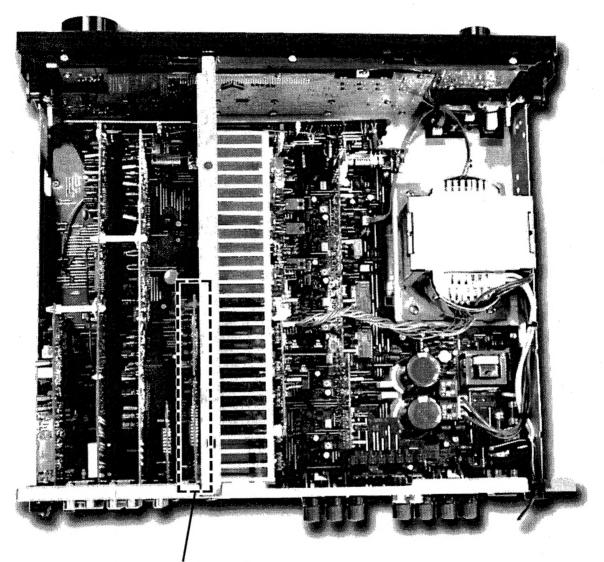
Weight: 200 g (Approx. 7 oz.) (including batteries)

WIRE ARRANGEMENT

If wire bundles are untied or moved to perform adjustment or parts replacement etc., be sure to rearrange them neatly as they were originally bundled or placed afterward.

Otherwise, incorrect arrangement can be a cause of noise generation.

Wire arrangement viewed from the top



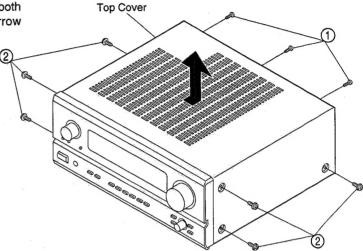
Not used in AVR-1800/87

DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

1. Top Cover

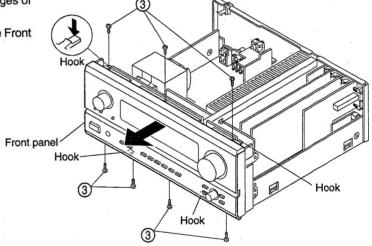
Remove 3 screws 1 on the rear and 6 screws 2 on both sides to detach the Top Cover as shown in the arrow direction.



2. Front Panel

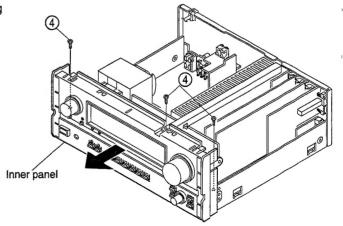
(1) Remove 7 screws (3) from the top and bottom edges of the Front Panel.

(2) Release 4 top and bottom hooks, then detach the Front Panel as shown in the arrow direction.



3. Inner Panel

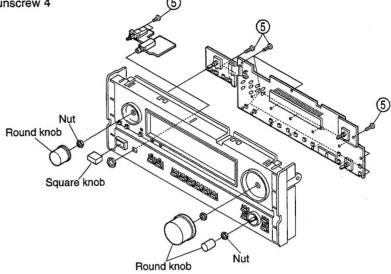
Pull out the Inner Panel in the arrow direction after removing 3 screws 4.



4. Inner Panel Ass'y

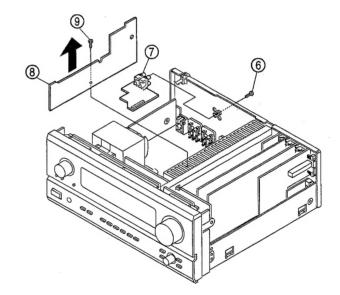
(1) Remove 3 round and 1 square knobs, and unscrew 4 nuts.

(2) Remove 19 screws (5) fixing each P.W.B.



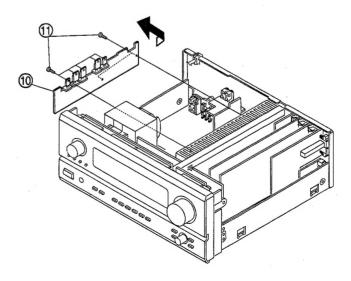
5. Amp Unit

- (1) Remove 1 screw 6 to detach Pre-out Unit 7.
- (2) Take off the Amp Unit (8) as shown in the arrow direction after removing 1 screw (9).



6. Regulator Unit

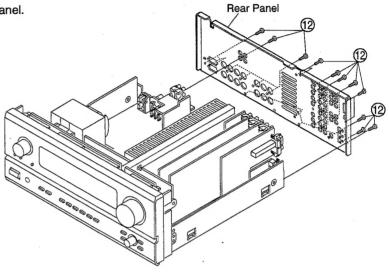
Take off the Regulator Unit (1) as shown in the arrow direction after removing 8 screws (1).



7. S-Video / C-video / Audio-in & DSP / Ext-in & VR / Digital-in / Tuner Unit

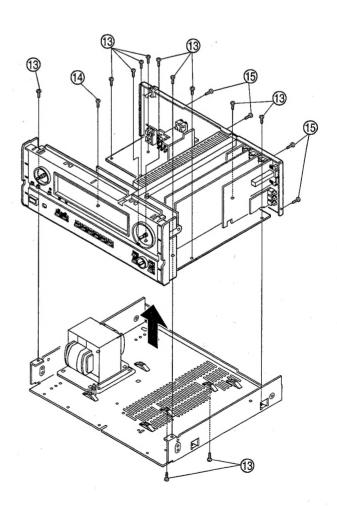
(1) Remove 32 screws 12 to detach the Rear Panel.

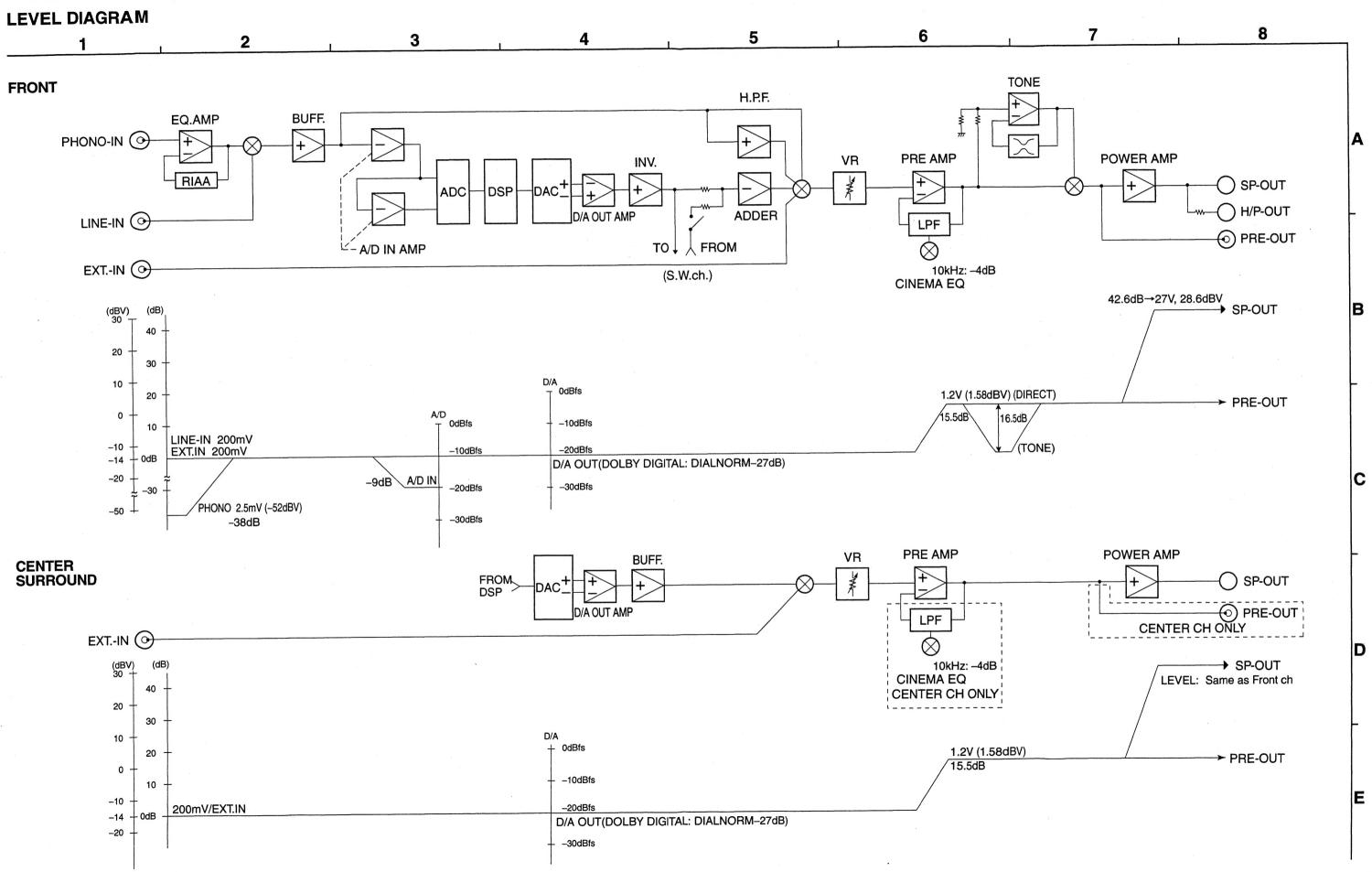
(2) Take off the objective P.W.B. upward.

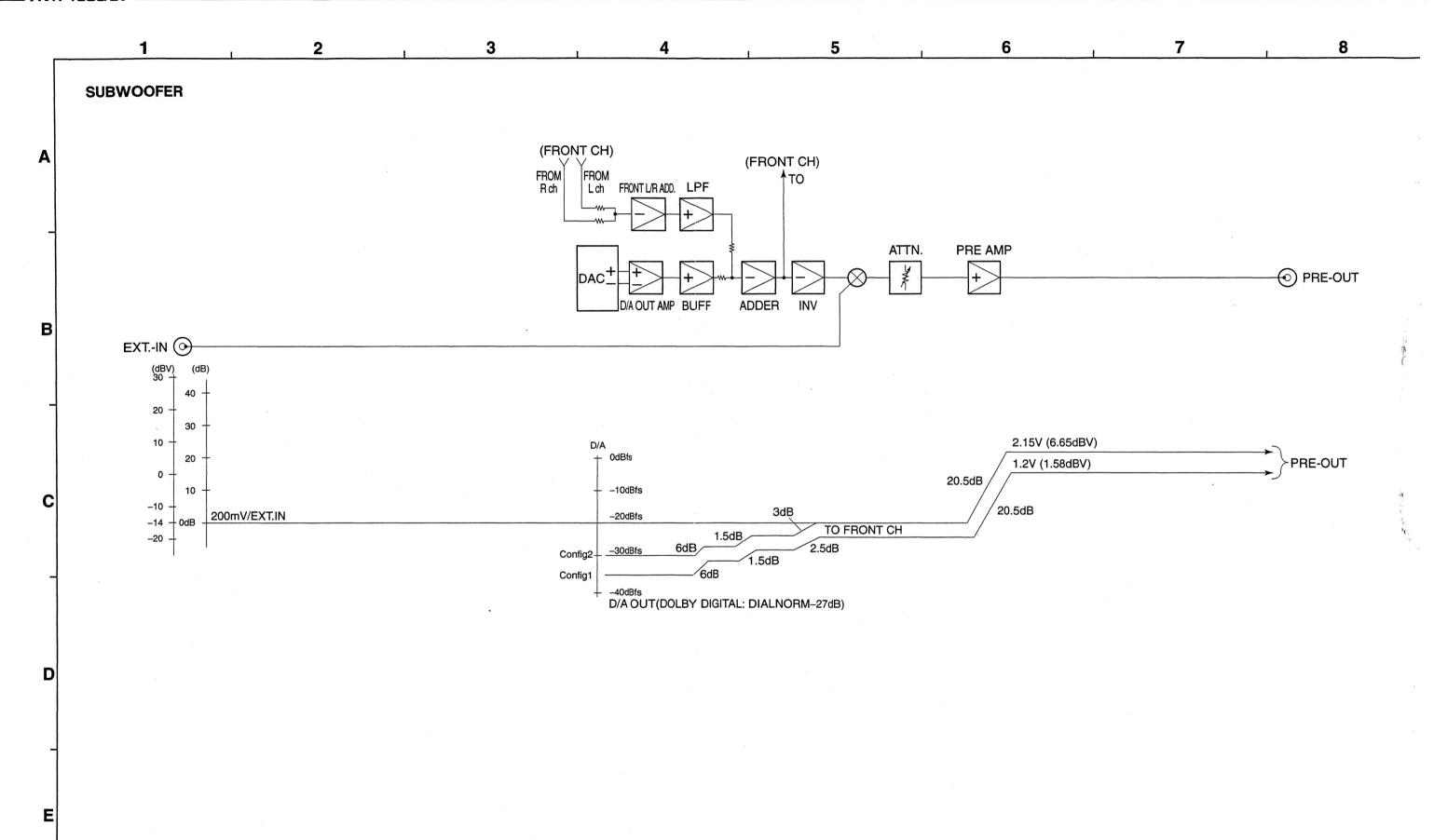


8. How to Check Power Amp / μ -com Unit with Power-on

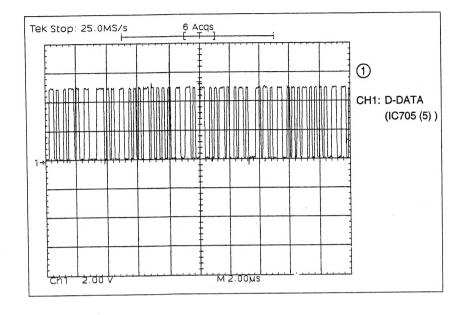
- (1) Remove 12 screws ③, 1 screw ④, and 4 screws ⑤ fixing to the Chassis.
- (2) Pull up the Unit to separate from the Chassis.

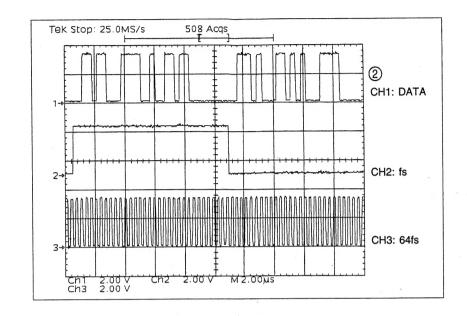


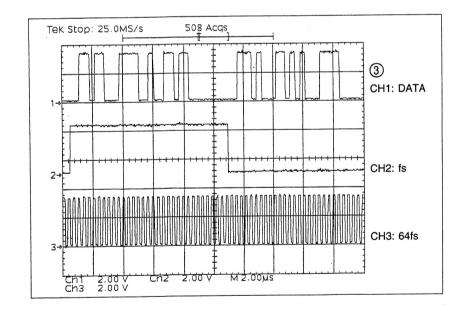


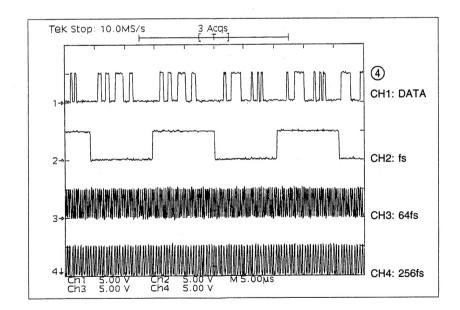


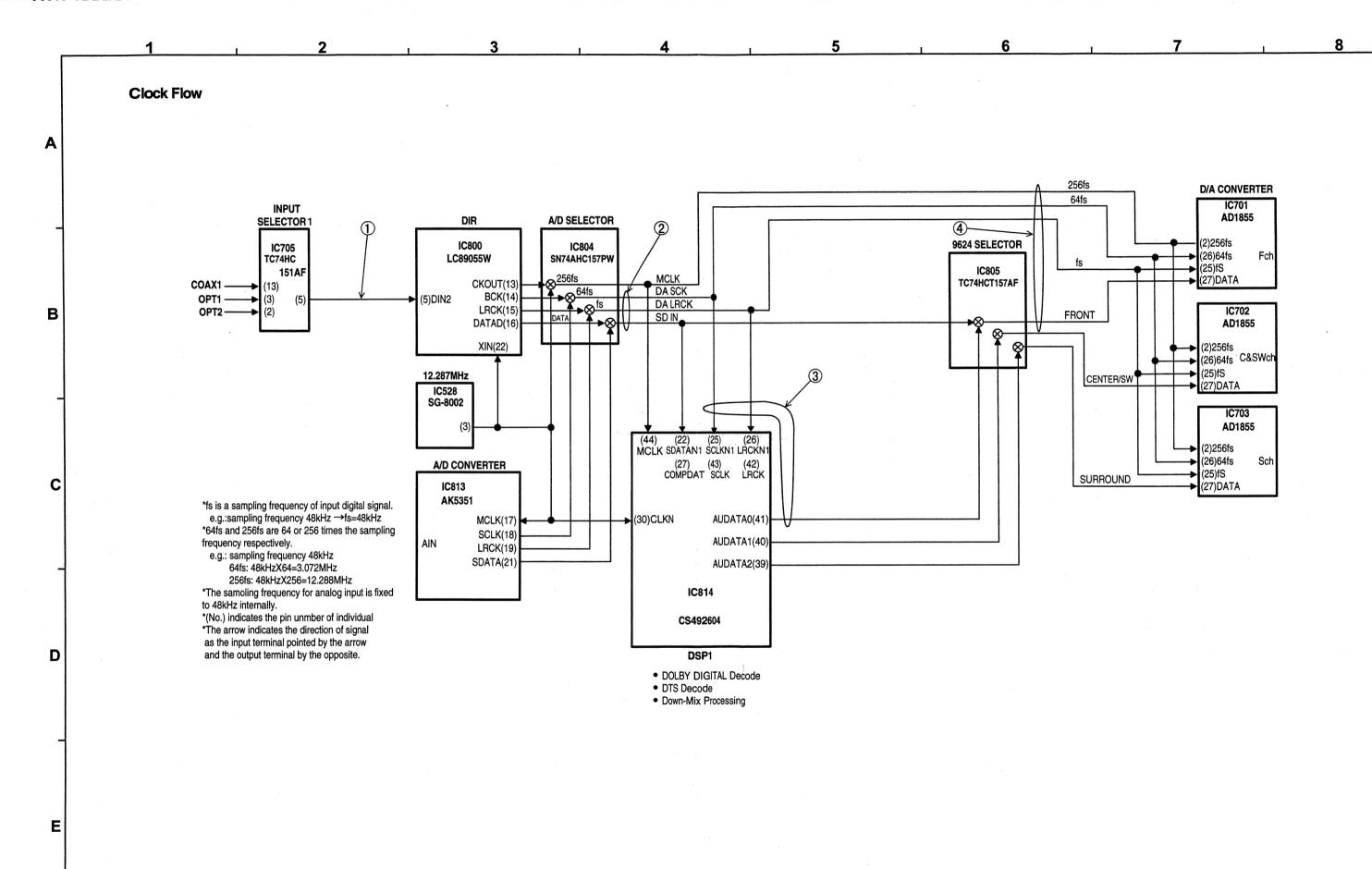
CLOCK FLOW & WAVE FORM IN DIGITAL BLOCK Wave Form











ADJUSTMENT

Tuner Section CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

● FM

TP102

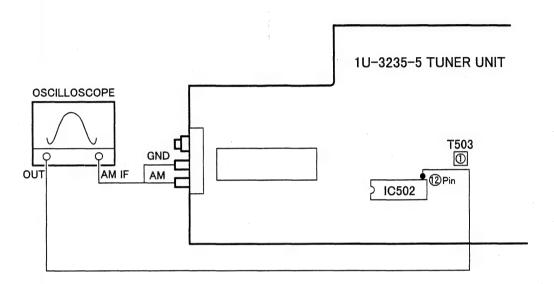
TP102

TP102

TP502

T

AM



FM/MPX ALIGNMENT

	Alignment Tuning Input							Ou	tput	Ad	just	
Step	Alignment Item	Frequency Setting	Туре	Frequency	Input Level	Modulation	Coupling	Туре	Connect to	Points	Adjust to	Remarks
1	Tuning Center	98.1 MHz	FM SSG	98.1 MHz	60 dBμ	None	Antenna Terminal	Digital Voltmeter	TP102	T502	± 50mV	Function : FM Mode : Auto
2	Separation	98.1 MHz	FM SSG	98.1 MHz	60 dBμ	Stereo (L) 1kHz 100%	Antenna Terminal	AC Voltmeter	AUDIO OUT Terminal (R)	VR502	Maximum Separation	_
3	Signal Level	98.1 MHz	FM SSG	98.1 MHz	20 dBμ	Off	Antenna Terminal	_		VR501	Light "TUNED" FLD Character	

AM ALIGNMENT

	Alignment			Out	put		Adjustment		
Step	Item	Frequency	Input	Type	Connect to	Points	Adjust to	Remarks	
	ı.		IF SWEEP	Oscilloscope	IC502 12Pin	T503	Maximum height and best		
1	1 IF		(Input level is not over to work A.G.C.)	Oscilloscope	1C302 12F111		symmetry curve		

Audio Section

Idling Current (1U-3232-1)

Required measurement equipment : DC Voltmeter

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15 °C ~ 30 °C (59 °F ~ 86 °F).

(2) Presetting

POWER (Power sourse switch)

 \rightarrow OFF

SPEAKER (Speaker terminal)

→ No load (Do not connect speaker, dummy resistor, etc.)

Adjustment

(1) Remove top cover and set VR501, VR502, VR503, VR504, VR505, on 1U-3232-1 (Power Unit) at counterclockwise () fully.

(2) Connect DC Voltmeter to test points (FRONT-Lch: TP501, FRONT-Rch: TP502, CENTER ch: TP505, SURROUND-Lch: TP503, SURROUND-Rch: TP504).

(3) Connect power cord to AC Line, and turn power switch "ON".

(4) Presetting.

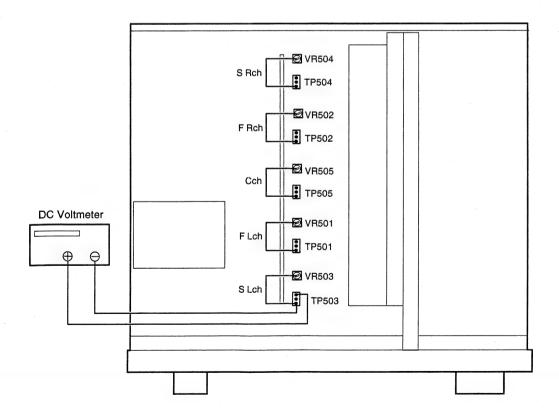
MASTER VOLUME: "---" counterclockwise (min.)

MODE

: 5CH STEREO

FUNCTION : CD

- (5) Allow 2 minutes, and turn VR501 clockwise () and adjust the TEST POINT voltage to 1.5 mV ±0.5 mV DC.
- (6) After 10 minutes from preset, turn VR501 to set the voltage to 3 mV \pm 0.5 mV DC.
- (7) Adjust the Variable Resistors of other channels in the same way.
- (8) After 5 minutes from (6), turn VR501 to set the voltage to 3 mV \pm 0.5 mV DC.
- (9) Adjust the Variable Resistors of other channels in the same way.



SEMICONDUCTORS

IC's

Note: Abbreviation ahead of IC No. indicates the name of P.W.B.

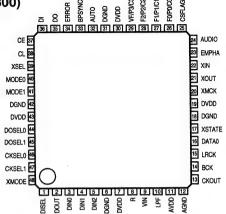
PO: Power P.W.B.

EX: Exit in P.W.B.

CO: Control P.W.B. RE: Regulator P.W.B.

AU: Audio/DSP P.W.B.

LC89055W (AU: IC800)

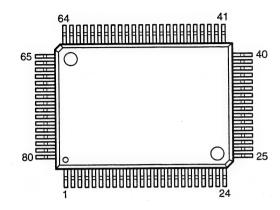


LC89055W Terminal Function

Pin No.	Pin Name	1/0	Function
1	DISEL	1	Data input terminal (select input pin of DIN0, DIN1)
2	DOUT	Ö	Input bi-phase data through output terminal
3	DIN0	i	Amp built-in coaxial/optical input correspond data input terminal
4	DIN1	1	Amp built-in coaxial/optical input correspond data input terminal
5	DIN2		Optical input correspond data input terminal
6	DGND		Digital GND
7	DVDD		Digital power supply
8	R		VCO gain control input terminal
9	VIN		VCO free-run frequency setting input terminal
10	LPF	0	PLL loop filter setting terminal
11	AVDD		Analog power supply
12	AGND		Analog GND
13	CKOUT	0	Clock output terminal (256fs, 384fs, 512fs, X'tal osc., VCO free-run osc.)
14	BCK	0	64fs clock output terminal
15	LRCK	0	fs clock output terminal (L: Rch, H: Lch, I2S: Reverse)
16	DATAO	0	Data output terminal
17	XSTATE	0	Input data detecting result output terminal
18	DGND		Digital GND
19	DVDD	1	Digital power supply
20	XMCK	0	X'tal osc. clock output terminal (24.576MHz or 12.288MHz)
21	XOUT	0	X'tal osc. connection output terminal
22	XIN	1	X'tal osc. connection output terminal
23	EMPHA	0	Emphasis information output terminal of channel status
	AUDIO	0	Bit1 output terminal of channel status
25	CSFLAG	0	Top 40bit revise flag output terminal of channel status
26	F0/P0/C0	0	Input fs cal. sig. out / data type out / input word inf. output terminal
27	F1/P1/C1	0	Input fs cal. sig. out / data type out / input word inf. output terminal
28	F2/P2/C2	0	Input fs cal. sig. out / data type out / input word inf. output terminal
29	VF/P3/C3	0	Validity flag out / data type out / input word inf. output terminal
30	DVDD		Digital power supply
31	DGND		Digital GND
	AUTO	0	Non PCM burst data transfer detect sig. output terminal
33	BPSYNC	0	Non PCM burst data preamble Pa, Pb, Pc, Pd sync sig. output terminal
34	ERROR	0	PLL lock error, data error flag output terminal
35	DO	0	CPU I/F read data output terminal
36	DI	ı	CPU I/F write data input terminal
37	CE	1	CPU I/F chip enable input terminal
38	CL	l	CPU I/F clock input terminal
39	XSEL		Frequency select input pin of XIN X'tal osc. (24.576MHz or 12.288MHz)
40	MODE0	1	Mode setting input terminal
41		1	Mode setting input terminal
	DGND		Digital GND
	DVDD		Digital power supply
	DOSEL0		Data output format select input terminal
	DOSEL1	1	Data output format select input terminal
46	CKSEL0	I	Output clock select input terminal
47	CKSEL1		Output clock select input terminal
48	XMODE		Reset input terminal
* For	latch-up countermoseu	iro est d	ligital (DVDD) and analog (AVDD) power on/off in the same timing

^{*} For latch-up countermeasure, set digital (DVDD) and analog (AVDD) power on/off in the same timing.

TMP88CU74F (CO: IC303)



TMP88CU74F Terminal Function

Pin No.	Name	Symbol	1/0	Туре	Ор	Det	Res	Init	Function
1	P02/S01	RDS RESET	0	С	_		Z	L	RDS reset output (LC7074)
2	P03		0	С	_		Z	L	Fixed to L
3		ST/MONO	0	С	_		Z	L	STEREO/MONO control signal, L: STEREO
4	P05	PLFL DATA	0	С	_	_	Z	L	PLL, FL control terminal (LC72131 & LC75721NE)
5	P06	PLL STB	0	С	_		Z	L	PLL control terminal (LC72131)
6		PLFL CLK	0	С			Z	L	PLL, FL control terminal (LC72131 & LC75721NE)
7	Vss	Vss	1	_	GND			L	GND
8	Xout	Xout	0	_					XTAL
9	Xin	Xin	1					_	XTAL
10	RESET_	RESET_	ı		Eu	Lv	L		Reset input
11	P22/XTOUT	TUNED_	1		Eu	Lv	Z		Tuning detect, L: Tuned
12	P21/XTIN	STEREO_	-		Eu	Lv	Z	_	L: At stereo receive
13	TEST	TEST			GND	S	_		Connect to GND
14	P20/INT5_	B.DOWN_	1		Eu	Lv	Z	_	Power down detect, L: Power down
15	P10/INT0_	PROTECT_	1	_	Ed	E&L	Z		PROTECTION detect input, H: Detect
16	P11/INT1	RDS START	1				Z	L	RDS data input (LC7074)
17	P12		0	С			Z	L	Fixed to L
18	P13		0	С	_		Z	L	Fixed to L
19	P14		0	С		_	Z	L	Fixed to L
20	P15/INT3	REMOCON	1	_	Ed	E&L	Z	_	Remote control signal input
21	P16/INT2	ACK	0	С			Z	L	MAIN-SUB CPU comm. control terminal
22	P17/INT4	REQ	1	_	Eu		Z	L	MAIN-SUB CPU comm. control terminal
23	P30/SCL	SI	1	С					MAIN-SUB CPU comm. control terminal
24	P31/SDA	SO	0	С					MAIN-SUB CPU comm. control terminal
25	P32/SCK0_	CLK	0	С					MAIN-SUB CPU comm. control terminal
26	P40/AIN0	MODE	1	_	Eu	Lv	Z		Destination switching input
27	P41/AIN1	KEY1	1	I —	Eu	Lv	Z	_	Button input 1
28	P42/AIN2	KEY2	1		Eu	Lv	Z		Button input 2
29	P43/AIN3	KEY3	1		Eu	Lv	Z	_	Button input 3
30	P44/AIN4	FUNC STB1	0	С	_		Z		Function control output (TC9274N), INPUT
31	P45/AIN5	FUNC/T. CON CLK	0	С			Z	L	Function control output (TC9274N, TC9273), TONE control output (TC9184P)
32	P46/AIN6	FUNC/T. CON DATA	0	С			Z	L	Function control output (TC9274N, TC9273), TONE control output (TC9184P)
33	P47/AIN7	FUNC STB2	0	С	_		Z	L	Function control output (NJU7313), 6CH EXT. IN
34	P50/AIN8	E.VOL STB	0	С	_		L	L	Elect. volume control output (TC9459)
35	P51/AIN9	TONE STB	0	С			L	L	TONE control output (TC9184P)
36	P52/AIN10	E.VOLDATA	0	С			L	Н	Elect. volume control output (TC9459)
37	P53/AIN11	E.VOL CLK	0	С	_		L	Н	Elect. volume control output (TC9459)
38	VASS	VASS	ı						Ref. volt (GND)
39	VAREF	VAREF	1						Ref. volt (VDD)
40	VDD	VDD	ı						Power supply

A	V	R-	1	8	0	8	7	

Pin No.	Name	Symbol	1/0	Туре	Ор	Det	Res	Init	Function
41	P60	FL CE	0	Р	Ed	S	L	Н	FL display control output (LC75712NE)
42	P61	FL RES	0	Р	Ed	S	L	Н	FL display control output (LC75712NE)
43	P62		0	Р	Ed		Z	L	Fixed to L
44	P63	FA-RELAY	0	Р	ld		L	L	Front SP relay A control terminal, L: Mute
45	P64	FB-RELAY	0	Р	Id		L	L	Front SP relay B control terminal, L: Mute
46	P65	C-RELAY	0	Р	ld		L	L	Center SP relay control terminal, L: Mute
47	P66	S-RELAY	0	Р	ld		L	Н	Surround SP relay control terminal, L: Mute
48	P67	PRE F MUTE	0	Р	Ed	_	L	Н	Front PRE OUT mute control terminal, L: Mute
49	P70	PRE C MUTE	0	Р	Ed		L	L	Center PRE OUT mute control terminal, L: Mute
50	P71	PRE S MUTE	0	Р	Ed	_	L	L	Surround PRE OUT mute control terminal, L: Mute
51	P72	SUB WOOFER MUTE	0	Р	Ed	_	L	Н	Sub-woofer PRE OUT mute control terminal, L: Mute
52	P73	H/P RELAY	0	Р	ld	_	L	Н	H/P OUT relay control terminal, L: Mute
53	P74	EXP OE	0	Р	Ed	_	L	Н	Port expander control terminal (TC4094B)
54	P75	EXP CLK	0	Р	Ed	_	L	L	Port expander control terminal (TC4094B)
55	P76	EXPDATA	0	Р	Ed	_	L	L	Port expander control terminal (TC4094B)
56	P77	EXP STB	0	P	Ed	_	L	L	Port expander control terminal (TC4094B)
57	P80	POWER	0	Р	ld	_	L	Н	Power relay control output, H: ON
58	P81	RESET2	0	P	ld	_	L	L	Reset signal output to sub-CPU, H: Reset
59	P82	SUB-CPU-B-DOWN	0	Р	Id		L	L	B-DOWN signal output to sub-CPU
60	P83	TAPE MON. LED	0	P	ld	_	L	L	TAPE MONITOR LED indicator control, H: MONITOR
61	P84	STANDBY	0	Р	ld	_	L	Н	Standby LED drive output H: Light
62	P85	(DIRECT)	0	P	ld		L	L	DIRECT relay control, H: DIRECT
63	P86	(S1)	0	P	ld	_	L		Video signal switching control output
64	P87	(S2)	0	Р	Id	_	L	_	Fixed to L
65	P90	TUNER MUTE	0	Р	Ed	_	L	Н	TUNER mute control terminal, H: Mute
66	P91		0	Р	Id	_	L	Н	Not Used
67	P92		0	Р	Id	Lv	Z	_	Fixed to L
68	P93		0	Р	Id	Lv	Z		Fixed to L
69	P94		0	Р	ld	Lv	Z	_	Fixed to L
70	P95	SEL A (M)	1	T	Eu	Lv	Z	_	Master volume rotation detect input (rotary encoder)
71	P96	SEL B (M)	1	1-	Eu	Lv	Z		Master volume rotation detect input (rotary encoder)
72	P97	CINEMA EQ	0	Р	Eu	Lv	Z	L	CINEMA EQ control output, H: ON
73	PD0	VOL MUTE	0	Р	Ed	T-	L	L	Master volume minimum control, L: Min.
74	PD1	SEL C (S)	1	1_	Eu	Lv	Z	_	Surround mode rotation detect input (rotary encoder)
75	PD2	SEL D (S)	1	T	Eu	Lv	Z	—	Surround mode rotation detect input (rotary encoder)
76	PD3	SEL E (F)	1	 	Eu	Lv	Z	T —	Input selector switch rotation detect input (rotary encoder)
77	PD4	SEL F (F)	1	;	Eu	Lv	Z	—	Input selector switch rotation detect input (rotary encoder)
78	Vkk	Vkk	_	 	 	 	_	_	GND fixed
79	P00/SCK1_	RDS CLK	I	_	 	S	Z		RDS clock input (LC7074)
80	P01/SI1	RDSDATA	1	T	 	S	Z	_	RDS data input (LC7074)
00	1. 37,011	1	<u> </u>			1		L	

NOTE: Pin No.

Port Name

: Terminal number of microcomputer.

: The name entered in the data sheet of microcomputer.

Symbol I/O : Symbolized interface function.

: Input or out of part.

= Input port = Output port

: Composition of port in case of output port. "C"

= CMOS output

= NMOS open drain output = PMOS open drain output

: Pull up/Pull down selection information.

= Inner microcomputer pull up = Inner microcomputer pull down

"Eu"= External microcomputer pull up "Ed"= External microcomputer pull down

: Indicates judging state of input port. Level detection is "LV"; Edge detection is "Ed"; Detection by both shifting is "E&L";

Serial data detection is "S" (Serial data output is also "S").

: State at reset.

= Outputs High Level at reset

= Outputs Low Level at reset

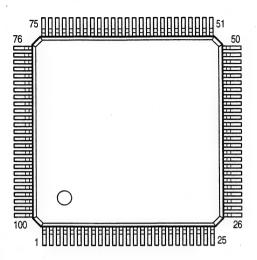
= Becomes High impedance mode at reset

: Function and logical level explanation of signals to be interface.

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AVR-1800/87

TMP93CS41F (AU: IC301)



TMP93CS41F Terminal Function

Pin		Cumbal	1/0	Type	On	Det	Res	Init	Function
No.	Name	Symbol	1/0	Туре	Op	Det	nes	HIIL	Function
1	V REFL				_			_	A/D ref. GND
2	A Vss	←						_	A/D GND
3	A Vcc	←						_	AD +5V
4	_NMI								Not used (fixed to H)
5	P70/TI0	C15	0	С			L	L	Fixed to L (DSP ROM address cont. out bit 15, not used)
6	P71/TO1	C16	0	С	_		L	L	DSP program ROM address cont. output bit 16
7	P72/TO2	C17	0	С			L	L	DSP program ROM address cont. output bit 17
8	P73/TO3		0	С			L	L	
9	P80/INT4/TI4	_INTREQ	1/0	С	Eu	E↓&L	Z		DSP request input and cont. output (L: Rq & cont.)
10	P81/INT5/TI5	B. DOWN_	- 1	_	Eu	E↑&L	Z	<u> </u>	Power down detect (H: Detected)
11	P82/TO4	DSP SS	0	С		_	Н	Н	DSP chip select cont. output (L: Data out)
12	P83/TO5	_REQ	0	С	Eu	_	Н	L	MAIN-SUB CPU comm. control output (L: Comm. request from sub)
13	P84/INT6/TI6	_ACK	ı		Eu	E↓&L		_	MAIN-SUB CPU comm. control input (L: Ack. return from main)
14	P85/INT7/TI7	ERR	1	_	_	E↑&L		_	DIR control input terminal (LC89055Q)(H: ERR)
15	P86/TO6	_DSP RESET	0	С	_	_	L	L	DSP reset output terminal (L: Reset)
16	P87/INTO	_cs		_	_	E↑&L	*******		DIR control input terminal (LC89055Q), when CH status change L→H
17	P90/TXD0	SI	0	С					MAIN-SUB CPU comm. control terminal (data output)
18	P91/RXD0	SO	ı	_					MAIN-SUB CPU comm. control terminal (data input)
19	P92/_CTS0/SCLK0	CLK	ı	С					MAIN-SUB CPU comm. control terminal (I2C clock in/output)
20	P93/TXD1	DSP DATA	0	С		_	L	L	DSP data output terminal
21	P94/RXD1	DSP SO	ı	_		Lv	_	_	DSP status data input terminal
22	P95/SCLK1	DSP CLK	0	С	_	_	Z	L	DSP data clock output terminal
23	AM8/_16	←	_	_		_	_	_	Fixed to +5V
24	CLK		0	С	Eu				
25	Vcc	←		_	_	_	_		+5V
26	Vss	1/01	T —		_		_		GND
27	X1	Xin	1	_		_		_	X'tal connection
28	X2	Xout	0	_		_			X'tal connection
29	_EA	←	T —	_		_		_	Fixed to GND
30	_RESET	RESET2_	1	_	Eu	Lv	L	_	Reset input (controlled by main CPU)
31	P96/XT1	A/D RESET	0	N	Eu	_	Н	Н	A/D control terminal (L: Reset)
32	P97/XT2		0	С	Ed	_	L	L	
33	TEST1	←	I	_			_	_	Connected to TEST2
34	TEST2	←	I	_	_	_	_	_	Connected to TEST1
35	PA0	DINA	0	С	Ed	_	L	L	Digital input switching control output
36	PA1	DINB	0	С	Ed	 	L	L	Digital input switching control output
37	PA2	DINC	0	С	Ed	_	L	L	Digital input switching control output
38	PA3		0	С	Ed	_	L	L	
39	PA4	DIRECT	0	С	Ed	_	L	L	Digital direct data switch cont. terminal (H: Direct)
40	PA5		0	С	Ed	_	L	L	

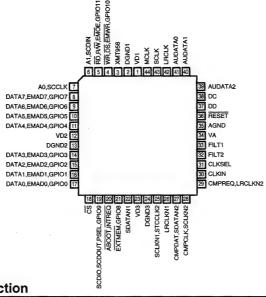
I/O Type Op Det Res Init Function Name Symbol No. O C Ed — L L DAC de-emphasis filter cont. out terminal (H: ON) 41 PA6 DEEMP C — Z L DAC control terminal (H: Sample frequency 96kHz) 42 PA7/SCOUT 96k-DAC O C — L L Address latch enable 43 ALE __ | __ | __ +5V 44 Vcc I/O C — Z L EPROM data in D0 / address out A0 45 P00/AD0 ADO I/O C — Z L EPROM data in D1 / address out A1 46 P01/AD1 AD1 47 P02/AD2 AD2 Z L EPROM data in D2 / address out A2 48 P03/AD3 AD3 С Z L EPROM data in D3 / address out A3 — Z L EPROM data in D4 / address out A4 49 P04/AD4 AD4 1/0 C I/O C — Z L EPROM data in D5 / address out A5 50 P05/AD5 AD5 I/O C — Z L EPROM data in D6 / address out A6 51 P06/AD6 AD6 52 P07/AD7 — Z L EPROM data in D7 / address out A7 AD7 1/0 C C — Z L EPROM address out A8 53 P10/AD8/A8 A8 C — Z L EPROM address out A9 54 P11/AD9/A9 A9 55 P12/AD10/A10 A10 C — Z L EPROM address out A10 O C — Z L EPROM address out A11 56 P13/AD11/A11 A11 O C — Z L EPROM address out A12 57 P14/AD12/A12 A12 C — Z L EPROM address out A13 58 P15/AD13/A13 A13 O C — Z L EPROM address out A14 59 P16/AD14/A14 A14 0 C Z L EPROM address out A15 60 P17/AD15/A15 A15 Z H Watch dog output 61 _WDTOUT 62 Vss __ _ _ _ GND __ _ _ +5V 63 Vcc O C — Z L EPROM address out A16 64 P20/A0/A16 A16 Z L DIR control terminal (LC89055Q) control clock output 65 P21/A1/A17 DIR CLK DIR CE 0 Z
 L
 DIR control terminal (LC89055Q) control chip enable output 66 P22/A2/A18 C Z
 L
 DIR control terminal (LC89055Q) control data output 67 P23/A3/A19 DIR MOSI 0 68 P24/A4/A20 DIR control terminal (LC89055Q) control data input DIR MISO Lv - | 69 P25/A5/A21 SW-SUM 0 _ L L Subwoofer output summation cont. output C — L H DAC control terminal (L: Power down mode, 1 (rising edge) Reset) 70 P26/A6/A22 DAC-RESET 0 SEL CK C — Z L ADC/DIR data clock switching control terminal (L: ADC) 71 P27/A7/A23 0 __ | Z | L | Flash memory control terminal 72 P30/_RD _RD 0 Z L Flash memory control terminal 73 P31/_WR WR 0 C Lv
 DIR control input terminal (L: PCM)
 L
 Pop noise preventive mute control output (L: Mute) 74 P32/ HWR CSI ERR MUTE_ 75 P33/_WAIT 76 P34/_BUSRQ 0 _ _ Z L C — Z L Digital mute control output (L: AC-3 or DTS decode enable) 77 P35/_BUSRQ DIG. (AC3) MUTE 0 C — Z L 78 P36/_R/W 0 79 P37/_RAS DIR RESET 0 C — Z L DIR control output (LC89055Q) (L: Reset) 80 P40/_CS0/_CAS0 0 C - Z L 81 P41/_CS1/_CAS1 C — Z L 82 P42/_CS2/_CAS2 _CS0 C — Z L Flash memory control terminal 83 P60/PG00 DSP C. RESET 0 __ | __ Lv | __ DSP status data input terminal 84 P61/PG01 SCDOUT C — Z L DSP chip select cont. output (L: Data out) 85 P62/PG02 DSP_C. CS 86 P63/PG03 DSP C. CLK C — Z L DSP data clock output terminal 0
 C
 —
 Z
 L
 DSP data output terminal

 C
 —
 Z
 L

 C
 —
 Z
 L
 87 P64/PG10 SCDIN 0 88 P65/PG11 89 P66/PG12 0 C _ _ Z L 90 P67/PG13 0 __ _ _ _ GND 91 Vss - Eu Lv Z -92 P50/AN0 93 P51/AN1 — Eu Lv Z — - Lv - - H: EMP on 94 P52/AN2 95 P53/AN3 _ Lv _ _ 96k signal detect input, H: 96k 96K DET 96 P54/AN4 __ Eu Lv Z __ 97 P55/AN5 1 __ Eu | Lv | Z | __ 98 P56/AN6 I — Eu Lv Z — 99 P57/AN7 I — Eu Lv Z ___ 100 V REFH _ _ _ _ AD ref. +5V _ | _ |

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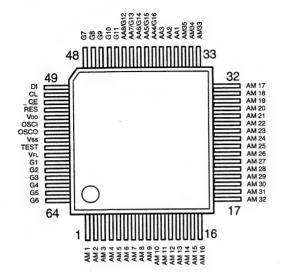
CS492604-CLR (AU: IC814)



CS492604-CLR Terminal Function

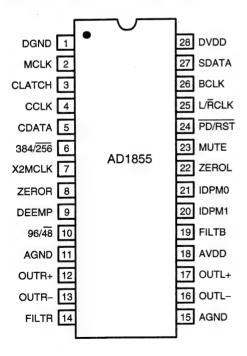
	2604-CLR Terminal Fu	Inction ⁸
Pin	Pin Name	Function
No.		
1	VD1	Digital positive supply
2	DGND1	Digital supply ground
3	XMT958	SPDIF transmitter output
4	WR, DS, EMWR, GPIO10	Host write strobe or host data strobe or external memory write enable or general purpose input & output number10
5	RD, R/W, EMOE, GPIO11	Host parallel output enable or host parallel R/W or external memory outout enable or general
	A4 CODIN	purpose input & output number11 Host adddress bit one or SPI serial control data input
	A1, SCDIN	
7	A0, SCCLK	Host parallel address bit zero or serial control port clock
	DATA7, EMAD7, GPIO7	
9	DATA6, EMAD6, GPIO6	
	DATA5, EMAD5, GPIO5	
11	DATA4, EMAD4, GPIO4	Digital positive supply
	VD2	Digital positive supply
	DGND2	Digital supply ground
	DATAS, EMADS, GPIOS	
	DATA2, EMAD2, GPIO2	
	DATA1, EMAD1, GPIO1	
17	DATA0, EMAD0, GPIO0	Heat parallal chip coloct, heat sovial CDI chip coloct
18	CS CODIO CODOLIT REEL CRIO	Host parallel chip select, host serial SPI chip select
19	SCDIO, SCDOUT, PSEL, GPIO9 INTREQ, ABOOT	Serial control port data input and output, parallel port type select Control port interrupt request, automatic boot enable
	EXTMEM, GPIO8	External memory chip select or general purpose input & output number 8
21	SDATAN1	PCM audio data input number one
	VD3	Digital positive supply
	DGND3	Digital supply ground
	SCLKN1, STCCLK2	PCM audio input bit clock
	LRCLKN1	PCM audio input sample rate clock
27	CMPDAT,SDATAN2	PCM audio data input number two
	CMPCLK, SCLKN2	PCM audio input bit clock
	CMPREQ, LRCLKN2	PCM audio input bit clock PCM audio input sample rate clock
30	CLKIN	Master clock input
31	CLKSEL	DSP clock select
	FILT2	Phase locked loop filter
	FILT1	Phase-locked loop filter
	VA	Analog positive supply
	AGND	Analog positive supply Analog supply ground
	RESET	Master reset input
37	DD	Reserved
	DC	Reserved
	AUDATA2	Digital audio output 2
	AUDATA1	Digital audio output 1
	AUDATA0	Digital audio output 0
	LRCLK	Audio output sample rate clock
	SCLK	Audio output bit clock
	MCLK	Audio master clock
77	ITI VEIL	, mano madro, cross

LC75721E (EX: IC101)



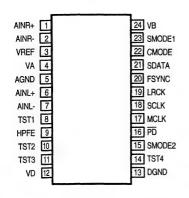
Symbol	Function
VDD	Power terminal +5V
Vss	Power terminal GND
VfL	Power terminal FL drive
DI CL CE	Serial data transfer terminal DI: Data CL: Clock CE: Chip enable
OSCI OSCO	External CR connecting terminal
RES	System reset terminal
AM1~AM35 AA1~AA3	Anode output terminal
AA4/G16 AA5/G15 AA6/G14 AA7/G13 AA8/G12	Anode/Grid output terminal
G1~G11	Grid output terminal
TEST	LSI test terminal

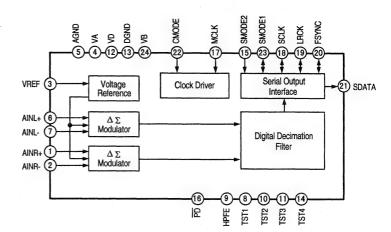
AD1855 (AU: IC701, 702, 703)



Pin No.	Name	1/0	Description
1	DGND	-	Digital Ground.
2	MCLK	-	Master Clock Input.
3	CLATCH	_	Latch input for control data.
4	CCLK	_	Control clock input for control data.
5	CDATA	_	Serial control input.
6	384/256	_	Selects the master clock mode.
7	X2MCLK	-	Selects internal clock doubler (LO) or internal clock=MCLK (HI)
8	ZEROR	0	Right Channel Zero Flag Output.
9	DEEMP	_	De-Emphasis.
10	96/48	_	Selects 48 kHz (LO) or 96 kHz Sample Frequency Control.
11,15	AGND	1	Analog Ground.
12	OUTR+	0	Right Channel Positive line level analog output.
13	OUTR-	0	Right Channel Negative line level analog output.
14	FILTR	0	Voltage Reference Filter Capacitor Connection.
16	OUTL-	0	Left Channel Negative line level analog output.
17	OUTL+	0	Left Channel Positive line level analog output.
18	AVDD	I	Analog Power supply.
19	FILTB	0	Filter Capacitor connection.
20	IDPM1	I	Input serial data port mode control one.
21	IDPM0		Input serial data port mode control zero.
22	ZEROL	0	Left Channel Zero Flag output.
23	MUTE	_	Mute. Assert HI to mute both stereo analog outputs.
24	PD/RST	_	Power-Down/Reset.
25	L/RCLK	ı	Left/Right clock input for input data.
26	BCLK	١	Bit clock input for input data.
27	SDATA	1	Serial input.
28	DVDD	1	Digital Power Supply.

AK5351 (AU: IC813)

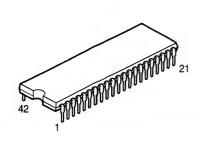


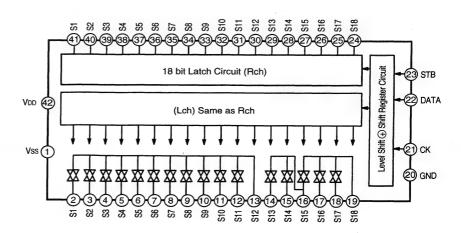


AK5351 Terminal Function

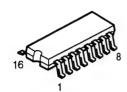
Pin No.	Symbol	1/0	Function
1	AINR+	1	Rch analog non-inverted input pin.
2	AINR-	1	Rch analog inverted input pin
3	VREF	0	Vref. output pin (VA-2.6V)
4	VA		Analog part power supply pin (+5V)
5	AGND		Analog ground pin
6	AINL+	1	Lch analog non-inverted input pin
7	AINL-	1	Lch analog inverted input pin
8	TST1		Test pin
9	HPFE	1	Hi-pass filter enable pin, "H": ON, "L": OFF
10	TST2		Test pin
11	TST3		Test pin
12	VD	_	Digital part power supply pin (+5V)
13	DGND	_	Digital ground pin
14	TST4		Test pin
15	SMODE2	1	Interface clock select pin
16	PD	1	Power down pin, "L": power down mode
17	MCLK	.1	Master clock input pin, CMODE="H": 384fs, "L": 256fs
18	SCLK	1/0	Serial data clock pin
19	LRCK	1/0	Input channel select pin
20	FSYNC	1/0	Frame sync clock pin
21	SDATA	0	Serial data output pin
22	CMODE	1	Master clock select pin, "H": MCLK=384fs, "L": 256fs
23	SMODE1	1	Interface clock select pin
24	VB		Bulk power supply pin (+5V)

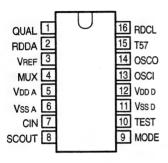
TC9274N-011 (AU: IC107)





Europe model only SAA6579T (CO: IC301)

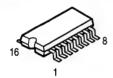


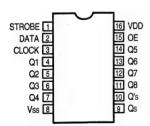


SAA6579T Terminal Function

UNITO	SAA03731 Terrimar Lanction			
Pin No.	Symbol	Function		
1	QUAL	Quality indication output.		
2	RDDA	RDS data output.		
3	VREF	Reference voltage output (0.5 VDD A).		
4	MUX	Multiplex signal input.		
5	VDD A	+5V power supply for analog part.		
6	Vss a	Ground for analog part (0V).		
7	CIN	Subcarrier input to comparator.		
8	SCOUT	Subcarrier ouput of reconstruction filter.		
9	MODE	Oscillation mode/test control input.		
10	TEST	Test enable input.		
11	Vss D	Ground for digital part (0V).		
12	VDD D	+5V power supply for digital part.		
13	OSCI	Oscillator input.		
14	osco	Oscillator output.		
15	T57	57kHz clock signal output.		
16	RDCL	RDS clock output.		

TC4094BF (CO: IC304, EX: IC103)





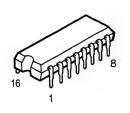
CO: IC304

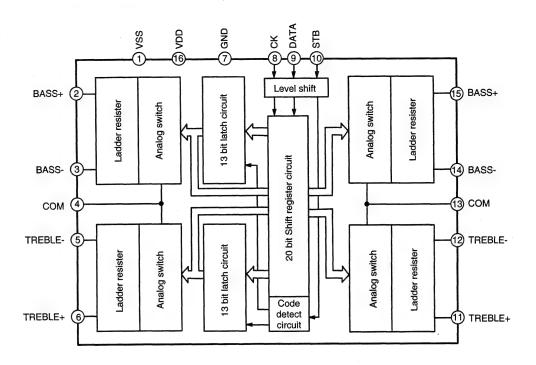
	20110001				
Port	Symbol	Function			
Q1	Α	Video input switching			
Q2	В	Video input switching			
Q3	С	Video input switching			
Q4	D	Video output switching			
Q5	E	Video output switching			
Q6	F	Video output switching (DVD/TV)			
Q7	G	Video output switching (DVD/TV)			
Q8	Not Used				

EX: IC103

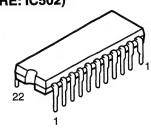
Po	rt	Symbol	Function
Q.	1	LOCK LED	"LOCK" LED drive output (H: Lock)
Q	2	DOLBY DIGITAL LED	"DOLBY DIGITAL" LED drive output (H: D.Digital)
Q	3	dts LED	"dts" LED drive output (H: dts)
Q4	4	AUTO LED	"AUTO" LED drive output (H: input mode "AUTO")
Q	5	DTS LED	"DTS" LED drive output (H: input mode "DTS")
Q	6	PCM LED	"PCM" LED drive output (H: input mode "PCM")
Q	7	FRONT SP-A LED	"FRONT SPEAKER A" LED drive output
Q	8	FRONT SP-B LED	"FRONT SPEAKER B" LED drive output

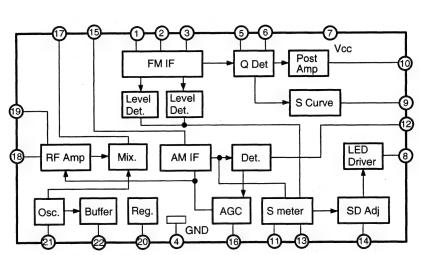
TC9184AP (CO: IC102)



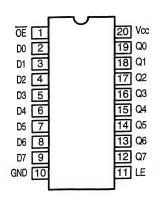


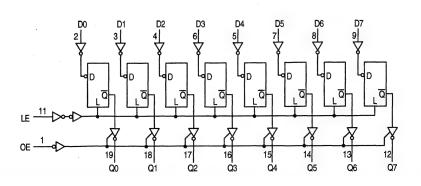
LA1265 (S) (RE: IC502)





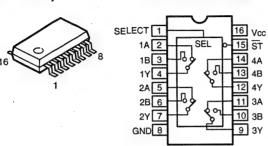
SN74LV573ANS (AU: IC302)





SN74AHC157PW (AU: IC804) TC74VHC123AFT (AU: IC801, 806) TC74HC151AF (CO: IC705)

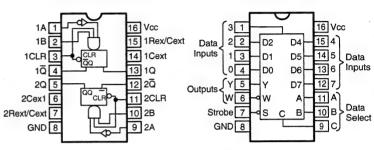
TC74HCT157AF (AU: IC805)



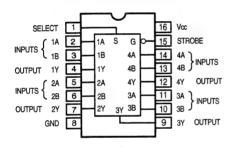
SN74AHC157PW

TC74VHC123AFT

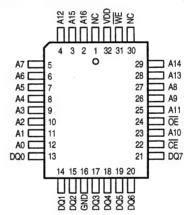
TC74HC151AF



TC74HCT157AF



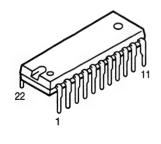
W29EE011P-90 (AU: IC303) W29C020P-90 (AU: IC817)

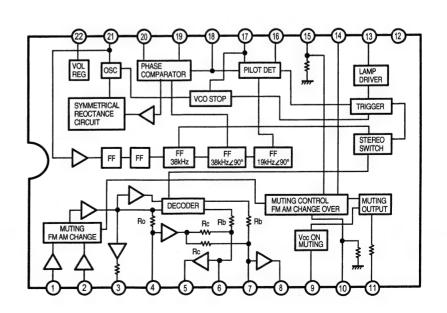


Terminal Function

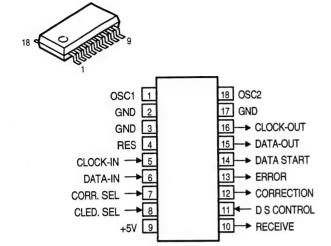
Name	Function	
A0 - A16	Address input	
DQ0 - DQ7	Data in/output	
CE	Chip enable	
ŌĒ	Output enable	
WE	Write enable	
VDD	Power terminal	
GND	GND	
NC	No connection	

LA3401 (RE: IC503)

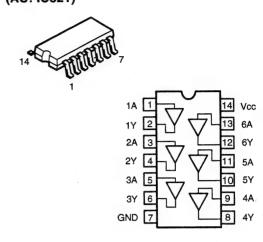




LC7074M (CO: IC302) (Europe model only)



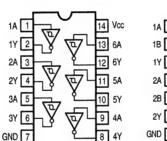
TC74HCT7007AF (AU: IC821)



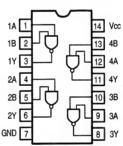
SN74LV14APW (AU: IC809) SN74LV00APW (AU: IC807, 808)

TC74HCU04AF (CO: IC704)

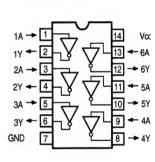
SN74LV14APW



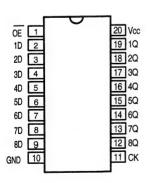
SN74LV00APW



TC74HCU04AF



SN74AHC574APW (AU: IC815, 816)



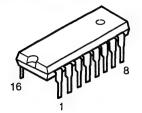
Logic symbol

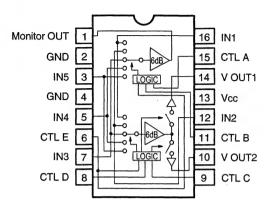
CE 1 CLK	EN C1	7
1D 2 2D 3 3D 4 4D 5 5D 6 6D 7 7D 8	1D	V 19 1Q 18 2Q 17 3Q 16 4Q 15 5Q 14 6Q 13 7Q 12 8Q
8D 9		12 80

Function Table (each flip-flop)

	INPUTS		OUTPUT
ŌĒ	CLK	D	Q
L	†	Н	Н
L	1	L	L
L	H or L	Χ	Q0
Н	X	Х	Z

BA7625 (PO: IC402, 450)





Α	В	E	MONITOR OUT
L	L	*	IN 1
Н	L	*	IN 2
L	Н	*	IN 3
Н	Н	L	IN 4
Н	Н	Н	IN 5

С	D	E	V OUT 1
L	L	*	
Н	L	*	IN 2
L	Н	*	IN 3
Н	Н	L	IN 4
Н	Н	Η	IN 5

С	D	E	V OUT 2
L	L	*	IN 1
Н	L	*	
L	Н	*	IN 3
Н	Ι	L	IN 4
Н	Ι	Н	IN 5

Note 1: * mark means that feasible for either H or L.

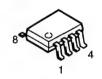
Note 2: Each input terminal is provided with sink chip clamp (BA7625). Each input terminal takes 20kohm at the end (BA7626).

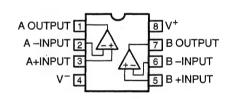
BA4510F (AU: IC811, 812)

NJM2068MD(EX: IC301~304,308~310,701,801~803)

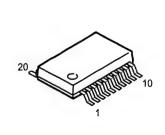
(CO: IC103,104)

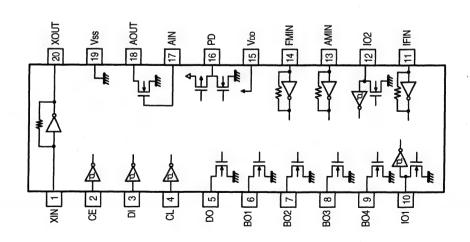
(AU: IC106,109,731~733,)



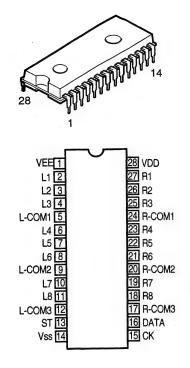


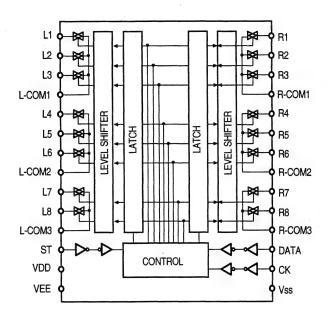
LC72131M (RE: IC507)



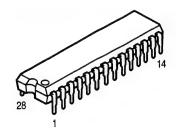


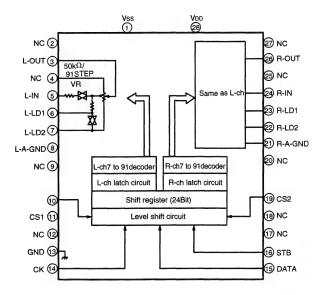
NJU7313AL (EX: IC311)



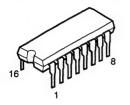


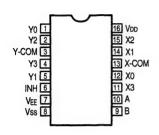
TC9459N (EX: IC805~807)

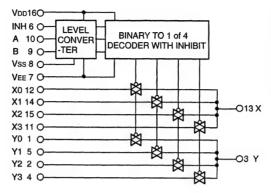




BU4052BC (PO: IC401)







TRUTH TABLE

INHIBIT	Α	В	ON SWITCH	
L	L	L	X0 Y0	
L	Ι	٦	X1 Y1	
L	L	Н	X2 Y2	
L	Н	Н	X3 Y3	
Н	Х	Х	NONE	

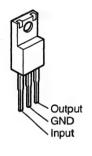
X: don't Care

NJM7805FA (S) (RE: IC902, 903)

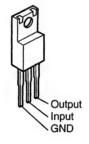
NJM7806FA (S) (PO: IC502) (RE: IC904)

NJM7812FA (S) (RE: IC906)

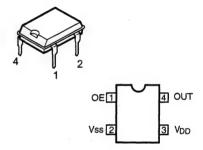
BA033T (AU: 819)



NJM7912FA (RE: IC907)

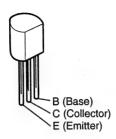


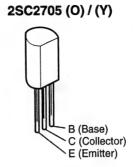
SG-8002DCPT (12.287MHz) (AU: XL802)

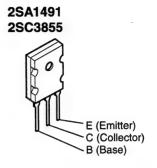


TRANSISTORS

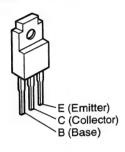
2SA970 (BL) 2PA1015GR 2SA988 (E/F) 2SC1841 (E/F) 2SC2878 (A/B) 2PC1815 (BL)

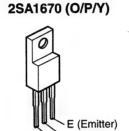


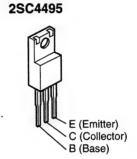




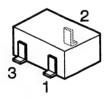
2SB1186A 2SD1763A







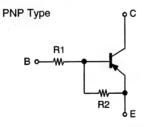
DTA114TK DTA114EK DTA144EK DTC114EK DTC144EK DTC323TK RN2402



DTA114TK DTA114EK DTA144EK RN2402

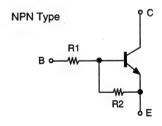
C (Collector)

B (Base)



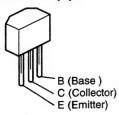
	R1	R2
DTA114TK	10kohm	-
DTA114EK	10kohm	10kohm
DTA144EK	47kohm	47kohm
RN2402	10kohm	10kohm

DTC114EK DTC144EK DTC323TK



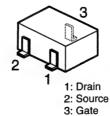
R1	R2
10kohm	10kohm
47kohm	47kohm
2.2kohm	
	10kohm 47kohm

2SA933S (S) 2SC3311A 2SC1645S (B)

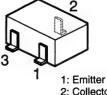


2SK209 (GR)

1: GND/Emitter 2: Out/Collector 3: In/Base



2SA1182 Y/O 2SC2996 (Y) 2SC3326 (A/B) 2SD601A



2: Collector 3: Base

• DIODES (included LED)

1SS270A



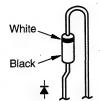
MTZJ3.3A MTZJ7.5A MTZJ5.6A MTZJ9.1A MTZJ6.2A MTZJ36A



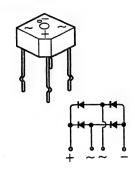
1SR35-400A



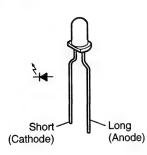
DSM1D2(Type 3)



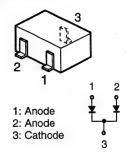
S4VB20



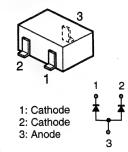
SEL1210S (Red) SEL4214S



DAN202K

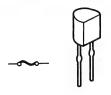


DAP202K



• IC PROTECTOR

ICP-N15 (PO: IC501)

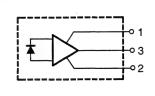


OPTICAL

INPUT GP1F37R1 (CO: IC702, 703)

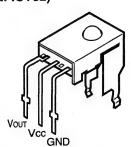


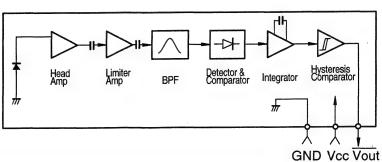
1. Vcc 2. GND 3. Vout



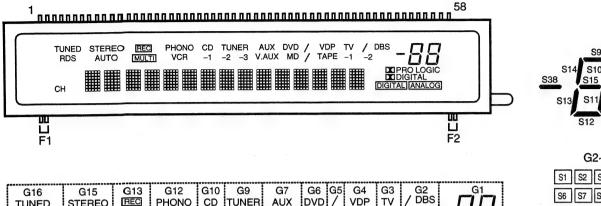
OTHERS

GP1U271X (Remote Control Sensor) (EX: IC102)





● FL DISPLAY CM1690C (VI : FL101)



G16		G15	T	G13	G	12	G10		39	G7		G6	G5	G4	G3	, G2	Ī	G1	1
TUNED	- 1:	STERE	- 1 -	REC	PHO	3110	CD	1.0	NER	AU:		DVD	/,	VDP	TV	/ DBS	_		İ
RDS	٠ [AUTO	L	MULTI		CR	<u> </u>	-2	-3		JX	MD	/	TAPE	-1	-2	i į	$\sqcup \sqcup$	İ
	##		Ш		###						***	R:9999	- :	₩:₩₩		DK	IPRO	LOGIC	
СН									***		*					DIGI	TALL	ANALOGI	
011			G14			G11			G8							Dia	17 (-)	7111712001	İ
bassassassassas								*******	feneveuse	4					*******				od

G2~G16													
S1 S2 S3 S4 S	35												
S6 S7 S8 S9 S	10												
S11 S12 S13 S14 S	15												
S16 S17 S18 S19 S	20												
S21 S22 S23 S24 S	25												
S26 S27 S28 S29 S	30												
S31 S32 S33 S34 S	35												

Pin Assignment

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F1	F1	S1	S2	S3	S4_	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CONNECTION	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38
PIN NO.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
CONNECTION	G16	G15	G14	G13	G12	G11	G10	G9	G8	G7	G6	G5	G4	G3	G2	G1	F2	F2		

F1,F2 : Filament G1~G16 : Grid S1~S38 : Anode

Anode & Grid Assignment

	G1	G2~G16		G1	G2~G16		G1	G2~G16		G1	G2~G16
S1	S1	S1	S10	S10	S10	S19		S19	S28		S28
S2	S2	S2	S11	S11	S11	S20		S20	S29	-	S29
S3	S3	S3	S12	S12	S12	S21		S21	S30		S30
S4	S4	S4	S13	S13	S13	S22		S22	S31		S31
S5	S5	S5	S14	S14	S14	S23		S23	S32		S32
S6	S6	S6	S15	S15	S15	S24		S24	S33		S33
S7	S7	S7	S16		S16	S25		S25	S34		S34
S8		S8	S17	DODIGITA	L S17	S26		S26	S35		S35
S9	S9	S9	S18	DE PRO LO	GICS18	S27		S27			

	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16
S36	DIGITAL	1	TV	VDP	/(DVD)	DVD	AUX		TUNER	CD		PHONO	REC		STEREO	TUNED
S37	ANALOG	-2	-1	TAPE	/(MD)	MD	V.AUX		-2	-1		VCR	MULTI		AUTO	RDS
S38	S38	DBS							-3							CH

PRINTED WIRING BOARDS

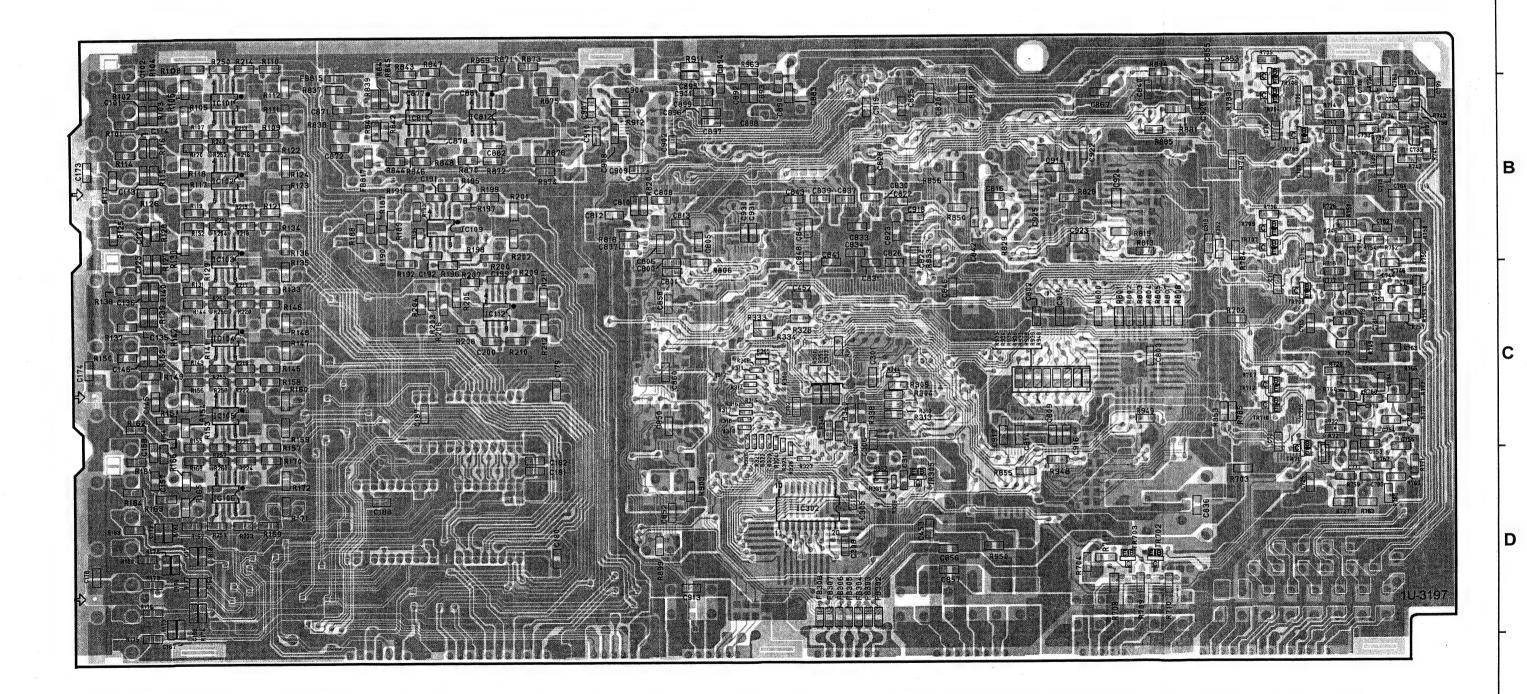
1U-3197 AUDIO / DSP P.W.B. UNIT Ass'y COMPONENT SIDE

D Tereses Messerver Ca

E

1 2 3 4 5 6 7

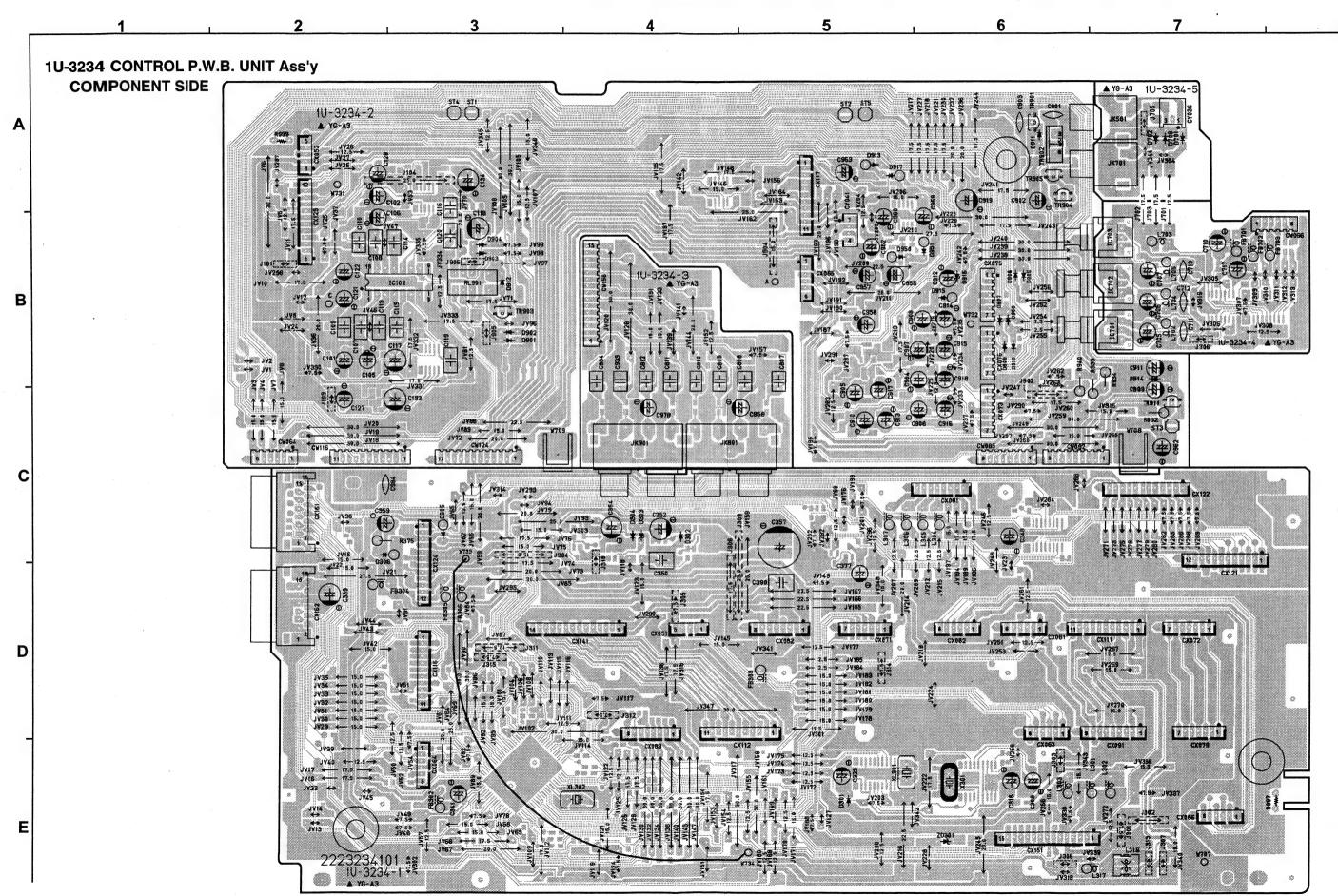
FOIL SIDE

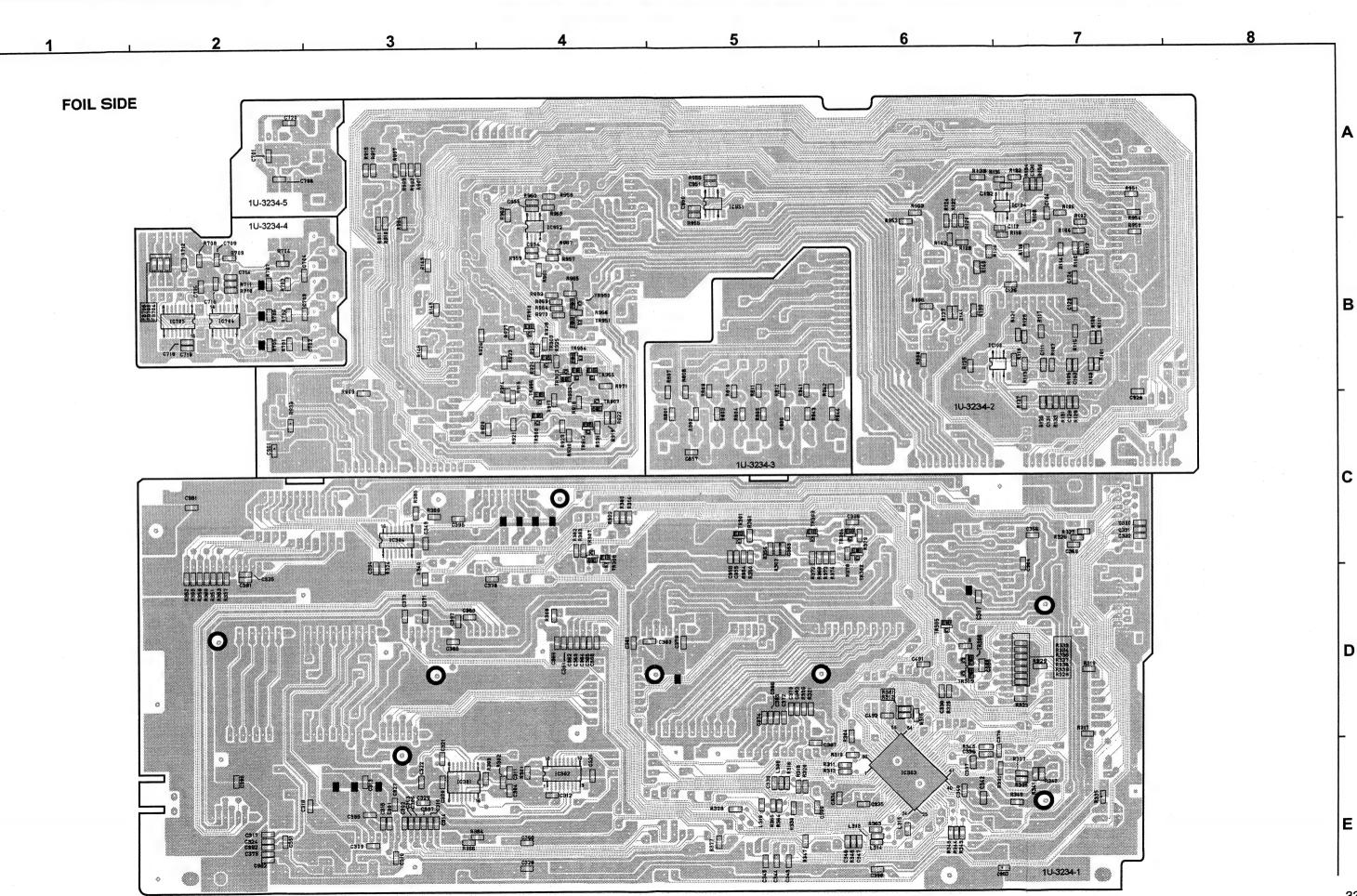


1U-3233 EXT. IN P.W.B. UNIT Ass'y **COMPONENT SIDE** Α 2223233102 1U-3233-2 DISPLAY UNIT 110503-360-1623 110603-360-160-163 O 17721 O v122 D 10-3233-1 A YG-A3

FOIL SIDE 1U-3233-3 C129 ① 1U-3233-2 DISPLAY UNIT A463 8494 R714 A713 E 1U-3233-1

31



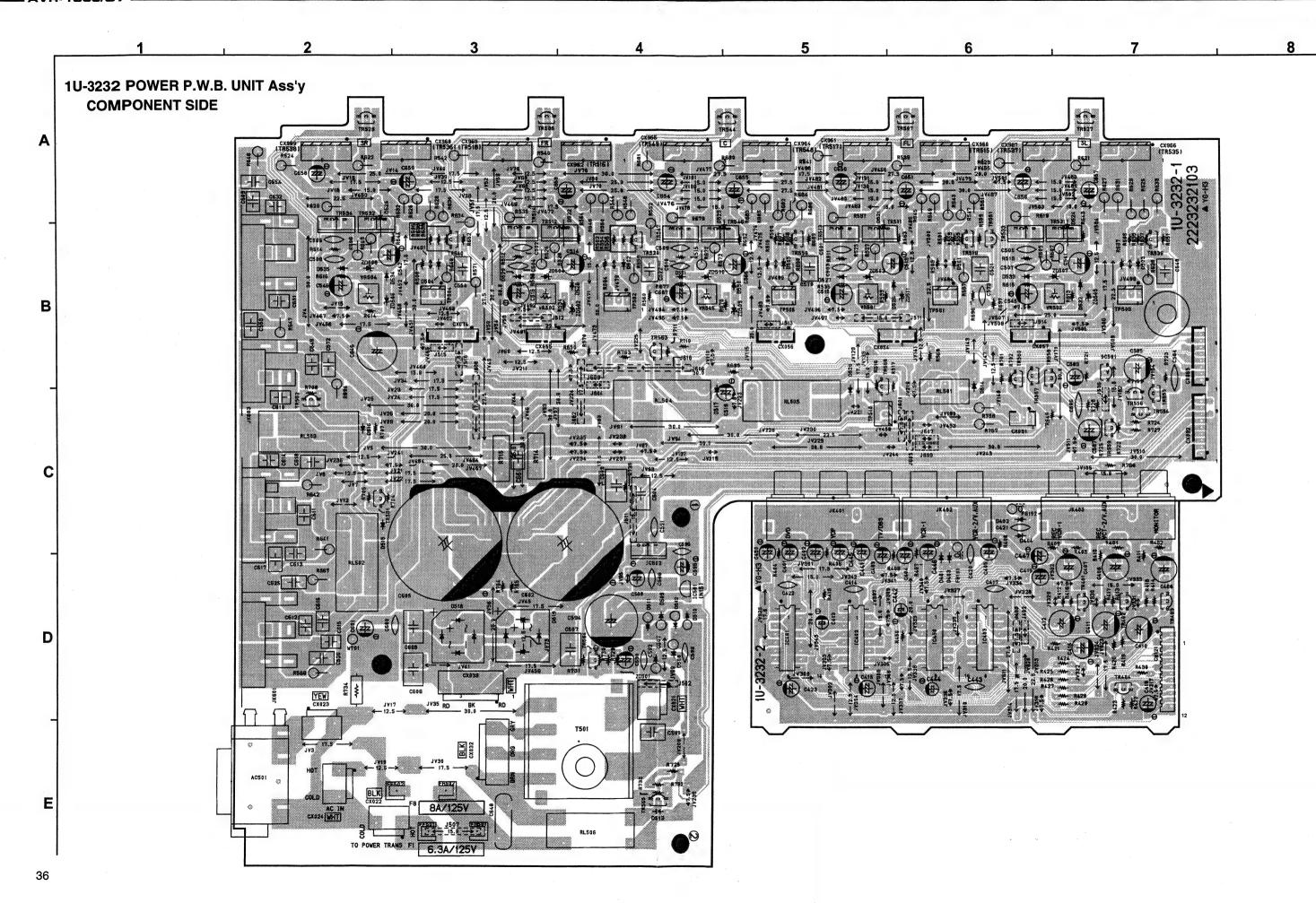


33

1U-3235 REGULATOR P.W.B. UNIT Ass'y
1U-3236 VOLTAGE SELECT P.W.B. UNIT Ass'y (Asia model & Hong Kong model only) **COMPONENT SIDE** Α 1U-3236-1 1U-3236-2 D

FOIL SIDE 1U-3235-5

35



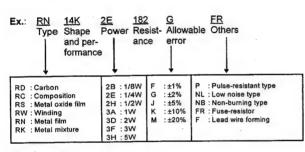
NOTE FOR PARTS LIST

- Part indicated with the mark "⊙" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

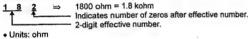
WARNING

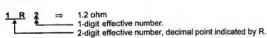
Parts marked with this symbol \triangle have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

Resistors



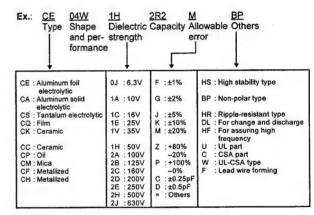
* Resistance



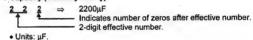


Units: ohm

Capacitors



* Capacity (electrolyte only)



* Capacity (except electrolyte)

Units: μF

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT 1U-3197 AUDIO/DSP UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following distinations.

E3: U.S.A. & Canada model
EU: U.S.A. model (AVR-87)
E2: Europe model
E1: Asia model

Ref. No. Part No. Part Name Ren

	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS G	ROUP		R125,126	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC106	263 0896 909	IC NJM2068MD					for E3,EU,E1,E1C,
IC107	262 2545 006	IC TC9274N-011					E1H,E3T
IC109	263 0896 909	IC NJM2068MD		R125,126	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
10700							for E2
IC301	262 2615 004	IC TMP93CS41F		R127,128	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
IC302	262 2682 901	IC SN74LV573ANS		R131~134	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
IC303	262 2723 006	IC W29EE011P-90 (18)		R137,138	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
10000	202 27 20 000	10 1120220111 00 (10)					for E3,EU,E1,E1C,
IC701~703	262 2674 906	IC AD1855JRSRL					E1H,E3T
IC731~733	263 0896 909	IC NJM2068MD		R137,138	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
10/31~/00	200 0000 000	TO HOMEOGOME					for E2
IC800	262 2675 015	IC LC89055W		R139,140	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
IC801	262 2608 901	IC TC74VHC123AFT		R143~146	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
	262 2609 900	IC SN74AHC157PW		R149,150	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC804	262 2284 901	IC TC74HCT157AF		1			for E3,EU,E1,E1C,
IC805	262 2608 901	IC TC74HC1137AFT					E1H,E3T
IC806				R149,150	247 0006 962	Carbon chip 470ohm 1/10W	RM73B-471J
IC807,808	262 2519 906	IC SN74LV00APW		11110,100	211 0000 002	Carbon on p 11 contin 11 con	for E2
IC809	262 2557 900	IC SN74LV14APW		R151,152	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
IC811,812	263 0934 900	IC BA4510F		R155~158	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
IC813	262 2426 905	IC AK5351-VF		R161,162	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC814	262 2657 907	IC CS492604		11101,102	247 0000 000	Carbon onep 1000mm // 1044	for E3,EU,E1,E1C,
IC815,816	262 2660 907	IC SN74AHC574PW				·	E1H,E3T
IC817	262 2724 005	IC W29C020P-90 (18)		R161,162	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
IC819	263 1048 002	IC BA033T		11101,102	247 0000 902	Carbon chip 4700/iiii 1710	for E2
IC821	262 2376 903	IC TC74HCT7007AF		R163~166	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
1C822	262 2557 900	IC SN74LV14APW		R167,168	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
				R169,170	247 0000 902	Carbon chip 470hm 1/10W	RM73B470J
TR305	269 0082 902	Transistor DTC114EK			247 0004 922	Carbon chip 100kohm 1/10W	RM73B104J
				R171,172	247 0012 927	Carbon chip 2.7Mohm 1/10W	RM73B275J
TR702	269 0082 902	Transistor DTC114EK		R173,174			
TR703~712	269 0083 901	Transistor DTA114EK		R175,176	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
				R177,178	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J RM73B471J
D701~703	276 0560 901	Diode DAN202K		R179,180	247 0006 962	Carbon chip 470ohm 1/10W	
				R181,182	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM738275J
RESISTO	RS GROUP			R183,184		Carbon chip 470ohm 1/10W	RM73B471J
R101,102	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R187~190	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
1101,102	247 0000 000	Carbon omp roconin in tow	for E3,EU,E1,E1C,	R191,192	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
			E1H,E3T	R195~200	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R101,102	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J	Diagrams.	0.47.0040.007	0 1 11 4001 1 1 4 4001	DM200 4041
H101,102	247 0000 502	Carbon Grap 47 Comm 17 1044	for E2	R201,202	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R103,104	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J	R213~224	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
•	247 0013 900	Carbon chip 0ohm 1/10W	RM73B0R0K	R225~234	247 2018 903	Carbon chip 0ohm 1/16W	RM73BOROK
R107~110	247 0016 905	Carbon chip 100ohm 1/10W	RM73B101J	R237~246	247 2018 903	Carbon chip 0ohm 1/16W	RM73BOROK
R113,114	247 0005 905	Carbon chip 1000hilit 1/1044	for E3,EU,E1,E1C,	R249~258	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
			E1H,E3T				
D440.444	047 0000 000	Corbon ohin 470ohm 4/40141		R301,302	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
R113,114	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J	R303	247 2003 989	Carbon chip 33ohm 1/16W	RM73B330J
D445 415	047.0045.000	Carbon abis 0.714abis 4/4014	for E2	R304	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
R115,116	247 0015 966	Carbon chip 2.7Mohm 1/10W Carbon chip 0ohm 1/10W	RM73B275J RM73B0R0K	R305,306	247 2003 989	Carbon chip 33ohm 1/16W	RM73B330J
R119~122	247 0018 905			R307	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R308	247 2003 989	Carbon chip 33ohm 1/16W	RM73B330J	R816	247 0018 905	Carbon chip Cohm 1/10W	RM73BOROK
R309	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R817	247 0009 969	Carbon chip 8.2kohm 1/10W	RM73B822J
R311,312	247 2003 989	Carbon chip 33ohm 1/16W	RM73B330J	R818	247 0008 957	Carbon chip 3kohm 1/10W	RM73B302J
R313	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R819	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J
R314~327	247 2003 989	Carbon chip 33ohm 1/16W	RM73B330J	R820	247 0004 977	Carbon chip 75ohm 1/10W	RM73B750J
R328	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R822~825	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R332	247 2018 903	Carbon chip 0ohm 1/16W	RM73BOROK	R826,827	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
R334	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK	R828	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
R337	247 2011 942	Carbon chip 47kohm 1/16W	RM73B473J	R829	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R338	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R830	247 0014 967	Carbon chip 1Mohm 1/10W	RM73B105J
R340	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R831	247 0011 902	Carbon chip 33kohm 1/10W	RM73B333J
R345,346	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK	R835	247 0005 989	Carbon chip 220ohm 1/10W	RM73B221J
R351	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R837~840	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
R352,353	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	R841,842	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J
11002,000	247 0010 000			R843,844	247 0009 998	Carbon chip 11kohm 1/10W	RM73B113J
R701~703	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	R847,848	247 0008 986	Carbon chip 3.9kohm 1/10W	RM73B392J
R705~707	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R849	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
R708~710	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	R854;855	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
R711	247 0007 945	Carbon chip 0ohm 1/10W	RM73BOROK	R860	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R713,714	247 0010 903	Carbon chip 3.9kohm 1/10W	RM73B392J	R863	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R715,714	247 0008 900	Carbon chip 1.8kohm 1/10W	RM73B182J	R869~872	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
R717,718	247 0008 986	Carbon chip 3.9kohm 1/10W	RM73B392J	R873~876	247 0006 920	Carbon chip 330ohm 1/10W	RM73B331J
R719,720	247 0008 900	Carbon chip 1.8kohm 1/10W	RM73B182J	R881	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R721,722	247 0008 902	Carbon chip 3.9kohm 1/10W	RM73B392J	R885	247 0004 922	Carbon chip 470hm 1/10W	RM73B470J
R723,724	247 0008 900	Carbon chip 1.8kohm 1/10W	RM73B182J	R894	247 0004 922	Carbon chip 470hm 1/10W	RM73B470J
R725~728	247 0008 902	Carbon chip 8.2kohm 1/10W	RM73B822J	R895,896	247 0004 922	Carbon chip 100ohm 1/10W	RM73B101J
R731,732	247 0009 989	Carbon chip 3.9kohm 1/10W	RM73B392J	R899	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R733,734	247 0008 980	Carbon chip 1.8kohm 1/10W	RM73B182J	11033	247 0012 027	Carbottetiip Tookoiiiii 17 Tott	11107 00 10-0
	247 0008 902	Carbon chip 5.1kohm 1/10W	RM73B512J	R901,902	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
R735,736	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J	R903	247 0010 903	Carbon chip 100kohm 1/10W	RM73B104J
R739,740		Carbon chip 560ohm 1/10W	RM73B561J	R904	247 0012 927	Carbon chip 0ohm 1/10W	RM73B0R0K
R741,742	247 0006 988	Carbon chip 1.6kohm 1/10W	RM73B162J	R909	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R743,744	247 0007 990	Carbon chip 3.9kohm 1/10W	RM73B392J	R912	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
R745,746	247 0008 986	Carbon chip 1.8kohm 1/10W	RM73B182J	R916~920	247 0016 905	Carbon chip 100ohm 1/10W	RM73B101J
R747,748	247 0008 902		RM73B512J	R925~948	247 0005 905	Carbon chip 1000hm 1/10W	RM73B101J
R749,750	247 0009 914	Carbon chip 5.1kohm 1/10W				·	
R753,754	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J	R951	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R755,756	247 0006 988	Carbon chip 560ohm 1/10W	RM73B561J	R955~957	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R757,758	247 0007 990	Carbon chip 1.6kohm 1/10W	RM73B162J	R962,963	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R759,760	247 0008 986	Carbon chip 3.9kohm 1/10W	RM73B392J				
R761,762	247 0008 902	Carbon chip 1.8kohm 1/10W	RM73B182J	CAPACIT	ORS GROUP		
R763,764	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J	C101,102	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R767,768	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J				for E2
R769,770	247 0006 988	Carbon chip 560ohm 1/10W	RM73B561J	C113,114	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R771,772	247 0007 990	Carbon chip 1.6kohm 1/10W	RM73B162J				for E2
R773~781	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C123,124	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R783~785	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	, , ,			for E2
		0.1	D14000 1001	C135,136	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R800~808	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J				for E2
R810,811	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C145,146	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R813	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	3,			for E2
R814	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	C155,156	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3
R815	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	0.39,,00			

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C157,158	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J	C753~756	257 0005 928	Ceramic chip 180pF/50V	CC73SL1H181J
			for E2	C757,758	255 1264 940	Mylar film 2200pF/50V	CQ93M1H222J(B)
C159,160	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	C759~762	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
C165,166	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	C763,764	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C167~172	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	C767,768	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)
C173,174	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C769,770	257 0006 943	Ceramic chip 560pF/50V	CC73SL1H561J
C178	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C771,772	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)
C180,181	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C773,774	257 0006 943	Ceramic chip 560pF/50V	CC73SL1H561J
C184,185	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	C775,776	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)
C188	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	C777~784	257 0006 943	Ceramic chip 560pF/50V	CC73SL1H561J
C189,190	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)				
C193,194	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	C800~803	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C195,196	254 4538 942	Electrolytic 100µF/16V	CE04W1C101M(SMG/RE3)	C804	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
0100,100	201 1000012		for E2	C805,806	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C195,196	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C807	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
0130,130	204 4000 000	Eloonory no Topal 7 To	for E3,EU,E1,E1C,E1H,E3T	C808	257 0011 996	Ceramic chip 0.1µF/25V	CK73B1E104K
			18: 20,20,21,210,211,201	C809	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C301,302	257 0011 983	Ceramic chip 0.047µF/25V	CK73B1E473K	C810	257 0011 909	Ceramic chip 0.01µF/25V	CK73B1E103K
C305	257 0011 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C811	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
C306	257 0012 900	Ceramic chip 0.047µF/25V	CK73B1E473K	C812,813	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	C815	254 4524 956	Electrolytic 2.2µF/50V	CE04W1H2R2M(SMG/RE3)
C307	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	C817	256 1059 912	Metallized 0.22µF/50V	CF93A1H224J(JL)
C308 C309	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	C818	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C819	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C311~313	257 0012 900	Ceramic onip o.orpr750V	OK751 1111002	C820	257 0012 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
0450 450	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K	C821	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
C452,453	257 0010 964	Ceramic Chip 0.047 pr/30 v	OK/301114/3K	C825	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
0704	057 0014 005	Ceramic chip 0.1µF/25V	CK73F1E104Z	C835	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
C701	257 0014 935 254 4536 928	Electrolytic 100µF/10V	CE04W1A101M(SMG/RE3)	C838	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
C704	1		CK73F1E104Z	C840	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C705,706	257 0014 935	Ceramic chip 0.1µF/25V Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C849	254 4524 930	Electrolytic 0.47µF/50V	CE04W1HR47M(SMG/RE3)
C707,708	254 4538 900		CE04W1A221M(SMG/RE3)	C850~852	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C709	254 4536 931 257 0014 935	Electrolytic 220μF/10V Ceramic chip 0.1μF/25V	CK73F1E104Z	C854	254 4524 930	Electrolytic 0.47µF/50V	CE04W1HR47M(SMG/RE3)
C711	257 0014 933	Electrolytic 100µF/10V	CE04W1A101M(SMG/RE3)	C856~860	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C714	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	C869,870	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
C715,716		Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)	C871,872	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C717	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C873~876	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
C718	254 4538 900	Electrolytic 220µF/10V	CE04W1A221M(SMG/RE3)	C877,878	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
C719	254 4536 931		CK73F1E104Z	C877,878 C879,880	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
C721	257 0014 935	Ceramic chip 0.1µF/25V			257 0004 961		CC73SL1H101J
C724	254 4536 928	Electrolytic 100µF/10V	CE04W1A101M(SMG/RE3)	C881,882	254 4538 900	Ceramic chip 100pF/50V	CE04W1C100M(SMG/RE3)
C725,726	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	C885,886		Electrolytic 10µF/16V	
C727,728	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C887,888	255 1264 924	Mylar film 1500pF/50V	CQ93M1H152J(B)
C729	254 4536 931	Electrolytic 220µF/10V	CE04W1A221M(SMG/RE3)	C891	254 4538 942	Electrolytic 100µF/16V	CE04W1C101M(SMG/RE3)
C731,732	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)	C892	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C733~736	257 0005 928	Ceramic chip 180pF/50V	CC73SL1H181J	C893	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
C737,738	255 1264 940	Mylar film 2200pF/50V	CQ93M1H222J(B)	C895	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
C739,740	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C897	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
C741,742	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)	C899	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
C743~746	257 0005 928	Ceramic chip 180pF/50V	CC73SL1H181J				
C747,748	255 1264 940	Mylar film 2200pF/50V	CQ93M1H222J(B)	C900	257 0011 909	Ceramic chip 0.01µF/25V	CK73B1E103K
C749,750	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	C901,902	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
C751,752	254 4538 926	Electrolytic 33µF/16V	CE04W1C330M(SMG/RE3)	C903	254 4536 928	Electrolytic 100µF/10V	CE04W1A101M(SMG/RE3)

1U-3232 POWER UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks		Ref. No.	Part No.	Part Name	Remarks
		Ceramic chip 0.1µF/25V	CK73F1E104Z			DUCTORS		1101111111
C904	257 0014 935		CE04W1C100M(SMG	(DE2)			T	
C906	254 4538 900	Electrolytic 10µF/16V	CK73F1E104Z	incoj	IC401	262 2692 001	IC BU4052BC	
C907,908	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	- 1	IC402	263 0856 004	IC BA7625	
C910	257 0014 935	Ceramic chip 0.1µF/25V	CE04W1C100M(SMG	/DE2\	IC450	263 0856 004	IC BA7625	
C911	254 4538 900	Electrolytic 10µF/16V	CK73F1H103Z	vnE0j	4 16		10.000 11.00	
C913	257 0012 966	Ceramic chip 0.01µF/50V		- 1	A10501	268 0073 905		
C915,916	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z CK73F1E104Z	- 1	IC502	263 0793 002	IC NJM7806FA(S)	
C919,920	257 0014 935	Ceramic chip 0.1µF/25V Ceramic chip 0.1µF/25V	CK73F1E104Z		TD404 400	074 0000 004	Transistan ODA4045OD	
C922~925	257 0014 935	Electrolytic 100µF/10V	CE04W1A101M(SMG	/PE3)	TR401~403	271 0290 904	Transistor 2PA1015GR	-
C926~929	254 4536 928	Ceramic chip 0.1µF/25V	CK73F1E104Z	ariL0)	TD507.500	070 0454 000	Transistar OCO40450(D)	
C930	257 0014 935	Ceramic chip 0.1µF/50V	CK73F1H103Z		TR507,508	273 0454 908	Transistor 2SC1645S(B)	
C931	257 0012 966	Ceramic chip 0.1µF/25V	CK73F1E104Z		TR511,512	274 0158 016	Transistor 2SD1763A(E)	
C932	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z		TR513,514	272 0115 011	Transistor 2SB1186A(E)	
C933	257 0012 966	Ceramic chip 0.01µF/50V	CK/3F III1002	l	TR519,520	273 0235 923	Transistor 2SC1841(E/F)	
					TR527,528	273 0454 908	Transistor 2SC1645S(B)	
OTHER P	ARTS GROU	P		Q'ty	TR531,532	274 0158 016	Transistor 2SD1763A(E)	
CW051	205 0885 008	5P connector socket (TUC-P)		1	TR533,534	272 0115 011	Transistor 2SB1186A(E)	
CW061,062	205 0942 019	6P connector socket (TUC-P)		2	TR539,540	273 0235 923	Transistor 2SC1841(E/F)	
CW071,072	205 0942 022	7P connector socket (TUC-P)		2	TR544	273 0454 908	Transistor 2SC1645S(B)	
CW082	205 0885 095	8P connector socket (TUC-P)		1	TR546	274 0158 016	Transistor 2SD1763A(E)	
CW111	205 0885 066	11P connector socket (TUC-P)		1	TR547	272 0115 011	Transistor 2SB1186A(E)	
CW141	205 0885 011	14P connector socket (TUC-P)		1	TR550	273 0235 923	Transistor 2SC1841(E/F)	
					TR551	271 0131 924	Transistor 2SA988(E/F)	
FB302-308	235 0106 908	EMI filter		7	TR554	273 0429 904	Transistor 2SC3311A	
FB701,702	235 0049 900	Beads inductor		2	TR555	271 0192 905	Transistor 2SA933S(S)	
FB704~714	235 0049 900	Beads inductor		11	TR556,557	273 0429 904	Transistor 2SC3311A	
FB715	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)	1	TR558	271 0192 905	Transistor 2SA933S(S)	
FB717	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)	1.	TR559~566	273 0429 904	Transistor 2SC3311A	
FB719	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)	1	D404 404	070 0400 000	Di- 1- 1000704	
FB800~804	235 0049 900	Beads inductor		5	D401~404	276 0432 903	Diode 1SS270A	
FB807~814	235 0049 900	Beads inductor		8	DE04 505	070 0400 000	Dis. 1. 4000704	
FB815	235 0106 908	EMI filter	. 1	1	D501~505	276 0432 903	Diode 1SS270A	
FB816	235 0049 900	Beads inductor		1	D507~512	276 0704 903	Diode 1SR35-400A	
FB817	235 0106 908	EMI filter		1	D513~517	276 0432 903	Diode 1SS270A	
		4			D518,519	276 0305 001	Diode S4VB20	
JK106~108	204 8513 010	6P pin jack (S-GND)		3	D520	276 0432 903	Diode 1SS270A	
				- 1	D526-535	276 0432 903	Diode 1SS270A	
L801	235 0106 908	EMI filter		1	70504	070 0044 044	Zanas diada MTZ IZ 5 A	
L803~805	235 0106 908	EMI filter		3	ZD501	276 0644 911	Zener diode MTZJ7.5A	
				- 1	ZD502~511	276 0634 905	Zener diode MTZJ3.3A	
X302	399 0532 902	Ceramic resonator	CST12.5MTW-TF01	1	RESISTO	RS GROUP		
				1	R525~528	244 2052 957	Metal oxide 5.6kohm 1W	RS14B3A562JNBS(S)
XL802	399 0575 008	Crystal 12.287MHz	SG-8002DCPT	1	R537,538	241 2378 962	Carbon film 330ohm 1/4W(NB)	RD14B2E331JNBS
					R539~542	241 2387 908	Carbon film 1ohm 1/4W(NB)	RD14B2E010JNBS
	207 0021 004	IC socket	for IC303,817	2	R543~550	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBS(S)
	001 0063 095	Vinyl wire		1	R551,552	241 2379 987	Carbon film 1kohm 1/4W(NB)	RD14B2E102JNBS
	412 4571 000	Earth plate(C)		1	R557,558	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)
					R567,568	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)
					R571	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)
					R605~608	244 2052 957	Metal oxide 5.6kohm 1W	RS14B3A562JNBS(S)
				l	R619,620	241 2378 962	Carbon film 330ohm 1/4W(NB)	RD14B2E331JNBS

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	s
R621~624	241 2387 908	Carbon film 1ohm 1/4W(NB)	RD14B2E010JNBS	C553,554	256 1058 939	Metallized 0.047µF/50V	CF93A1H473J(JL)
R625~632	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBS(S)				for E2	
R633,634	241 2379 987	Carbon film 1kohm 1/4W(NB)	RD14B2E102JNBS	C553,554	255 1265 978	Mylar film 0.022µF/50V	CQ93M1H223J	(B)
R639~642	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)				for E3,EU,E1,E1C,E1	1H,E3T
R647,648	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)	C566	254 4525 913	Electrolytic 47µF/50V	CE04W1H470M(SM	G/RE3)
	244 2052 957	Metal oxide 5.6kohm 1W	RS14B3A562JNBS(S)	C567	254 4527 982	Electrolytic 10µF/100V	CE04W2A100M(SM0	G/RE3)
	241 2378 962	Carbon film 330ohm 1/4W(NB)	RD14B2E331JNBS	C570	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(JL)
	241 2387 908	Carbon film 1ohm 1/4W(NB)	RD14B2E010JNBS	C572	256 1058 939	Metallized 0.047µF/50V	CF93A1H473J(JL)
.]	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBS(S)				for E2	
R686	241 2379 987	Carbon film 1kohm 1/4W(NB)	RD14B2E102JNBS	C572	255 1265 978	Mylar film 0.022µF/50V	CQ93M1H223J	(B)
i	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)				for E3,EU,E1,E1C,E	1H,E3T
	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS(S)	C573	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
				C583	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SM	G/RE3)
R714,715	243 2039 032	Winding 0.1ohm 5W	RW99=3H0R1K	C584	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104Z	
	242 2009 001	Composition 2.2Mohm 1/2W	RC05GF2H225K(UL)	C585	254 6190 906	Electrolytic 330µF/6.3V	CE04W0J331M((SRA)
			for E3,EU,E3T	C586	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104Z	
R757,758	244 2052 960	Metal oxide 220ohm 1W	RS14B3A221JNBS(S)	C587	254 4533 947	Electrolytic 330µF/6.3V	CE04W0J331M(SM0	G/RE3)
11107,100	211200			C588	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
VR501~505	211 6132 909	Semi fixed resistor 4.7kohm	V06PB472	C589	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SM	G/RE3)
			•	C590	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SM	
CAPACITO	ORS GROUP			C591~593	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
C401~405	254 4306 909	Electrolytic 4.7μF/50V	CE04W1H4R7M(SRE)	C594	254 4403 721	Electrolytic 2200µF/25V	CE04W1E222M(
C406~408	254 6190 906	Electrolytic 330µF/6.3V	CE04W0J331M(SRA)	C595	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SM	
C410	254 4302 974	Electrolytic 100µF/10V	CE04W1A101M(SRE)	C599	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(
C411,412	254 4299 906	Electrolytic 10µF/16V	CE04W1C100M(SRE)					,
C413	254 4305 968	Electrolytic 1µF/50V	CE04W1H010M(SRE)	C601	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SM	G/RE3)
C414	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	C602	254 6213 702	Electrolytic 10000µF/71V	CE68W==103M	
C415	254 4299 906	Electrolytic 10µF/16V	CE04W1C100M(SRE)	C603,604	256 1042 903	Metallized 0.1µF/250V	CF93A2E104K	
C416	254 4302 974	Electrolytic 100µF/10V	CE04W1A101M(SRE)	C605	254 6213 702	Electrolytic 10000µF/71V	CE68W==103M	
C420	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	C606~608	256 1042 903	Metallized 0.1µF/250V	CF93A2E104K	
C422	253 1181 917	Ceramic 0.022µF/50V	CK45F1H223Z	C609~612	255 1265 936	Mylar film 0.01µF/50V	CQ93M1H103J	
C423	254 4299 906	Electrolytic 10µF/16V	CE04W1C100M(SRE)	C613~616	255 1265 936	Mylar film 0.01µF/50V	CQ93M1H103J	٠,
C441	254 4306 909	Electrolytic 4.7µF/50V	CE04W1H4R7M(SRE)		200 1200 000		for E2	\- <i>/</i>
C442	254 4305 968	Electrolytic 1µF/50V	CE04W1H010M(SRE)	C617,618	256 1058 939	Metallized 0.047µF/50V	CF93A1H473J((JL)
C443	253 1181 917	Ceramic 0.022μF/50V	CK45F1H223Z	30,5			for E2	()
C444	254 4299 906	Electrolytic 10µF/16V	CE04W1C100M(SRE)	C617,618	255 1265 978	Mylar film 0.022µF/50V	CQ93M1H223J	(B)
C445~447	254 4306 909	Electrolytic 4.7μF/50V	CE04W1H4R7M(SRE)	3011,010			for E3,EU,E1,E1C,E	
C450	254 4306 909	Electrolytic 4.7µF/50V	CE04W1H4R7M(SRE)	C631,632	255 1265 936	Mylar film 0.01µF/50V	CQ93M1H103J	
						,	for E2	.,
C501,502	253 4543 905	Ceramic 220pF/500V	CC45SL2H221J	C646	254 4262 784	Electrolytic 470µF/63V	CE04W1J471M	1
C505,506	253 4543 905	Ceramic 220pF/500V	CC45SL2H221J	C648	253 8014 702	Ceramic 0.01µF/400V(AC)	CK45F2GAC10	
C509	253 4543 905	Ceramic 220pF/500V	CC45SL2H221J	55.5				
C513,514	254 4525 913	Electrolytic 47µF/50V	CE04W1H470M(SMG/RE3)	C649	255 1265 936	Mylar film 0.01µF/50V	CQ93M1H103J	I(B)
C515,516	254 4527 982	Electrolytic 10µF/100V	CE04W2A100M(SMG/RE3)				for E2	
C521	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(JL)				l	I a u
C522	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(JL)		ARTS GROU			Q'ty
C525,526	256 1058 939	Metallized 0.047μF/50V	CF93A1H473J(JL)	∆ AC501	203 3976 002	AC outlet (2P)	for E3,EU,E3T	
			for E2					
C525,526	255 1265 978	Mylar film 0.022µF/50V	CQ93M1H223J(B)	CW121	205 0885 079	12P connector socket (TUC-P)		1
			for E3,EU,E1,E1C,E1H,E3T					
CEAL EAD	254 4525 913	Electrolytic 47µF/50V	CE04W1H470M(SMG/RE3)	CX021	205 0581 001	2P VH connector base	for E2,E1,E1C,	1
C541,542							LEALL FOT	1
C541,542 C545,546	254 4527 982	Electrolytic 10µF/100V	CE04W2A100M(SMG/RE3)	CX022		2P VH connector base(BLK)	E1H,E3T	

1U-3233 EXT. IN UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks
CX023	205 1093 006	2P VH connector base	for E2,E1,E1H	1	SEMICON	DUCTORS G	ROUP	
CX024	205 0581 001	2P VH connector base		1	IC101	262 2549 002	IC LC75721E	
CX031	205 0343 032	3P connector base(KR-PH)		1	IC102	499 0290 007	Remocon sensor GP1U271X	
CX032	205 0841 000	3P AC conector base (BK)	for E1,E1H	1	IC103	262 2375 904	IC TC4094BF	
CX033	205 0825 000	3P AC connector base		1				
CX054~057	205 0884 009	5P connector base(TUC-P)		4	IC301~304	263 0896 909	IC NJM2068MD	
CX074	205 0943 021	7P connector base(TUC-P)		1	IC308,309	263 0896 909	IC NJM2068MD	
CX085	205 0884 096	8P connector base(TUC-P)	'	1	IC310	263 0896 909	IC NJM2068MD	
CX092		9P connector base(TUC-P)		1	IC311	262 1853 100	IC NJU7313AL	
CX960~969	205 1064 064	6P pin header(TXX)V		10				
0,000 000		' ' '			IC701	263 0896 909	IC NJM2068MD	
∆F1	206 1046 001	Fuse 6.3A	for E3.EU.E3T	1				
∆ F 1	206 1015 032		for E2,E1C	1	IC801~803	263 0896 909	IC NJM2068MD	
\F1	206 1015 090	Fuse 5A	for E1,E1H	1	IC805~807	262 2662 002	IC TC9459N	
AF8	206 1046 014	Fuse 8A	for E3.EU,E3T	1	10005-007	202 2002 002	10 10040011	
AF8	206 1015 032	Fuse 2.5A	for E2,E1,E1H	1	TR102~110	269 0082 902	Transistor DTC114EK	
AFO	200 1010 002	1 bits L.or			TR111	269 0082 902	Transistor DTA114EK	
EEE04 E00	202 0040 909	Fuse clip		2	TR112	269 0055 900	Transistor DTA144EK	
FF501,502	202 0040 909	ruse clip		-			Transistor DTC144EK	
FUE04 500	000 0040 000	Fuse clip		2	TR113~115		Transistor DTA144EK	
FH501,502	202 0040 909	ruse clip		-	TR116,117	269 0055 900	Transistor DTAT44EN	
11/404	204 8516 017	3P pin jack		1	TD001 004	070 0444 000	Transistar OCC000G(A/D)	
JK401					TR301~304		Transistor 2SC3326(A/B)	
JK402	204 8583 008	2P pin jack (VIDEO)			TR305	269 0055 900	Transistor DTA144EK	
JK403	204 8516 017	3P pin jack			TR306	269 0054 901	Transistor DTC144EK	
JK601	205 0472 026	8P SP terminal (EAEK)		1	TR308	275 0094 908	FET 2SK209-GR	
JK603	205 1108 001	6P SP terminal (E3)		1	TR311,312	273 0414 906	Transistor 2SC3326(A/B)	
		D / (FOO 101/05)			TR314,315	273 0414 906	Transistor 2SC3326(A/B)	
RL501	214 0200 001	Relay(EC2-12N35)		1	TR323~326		Transistor 2SC3326(A/B)	
RL502~505	214 0195 006	Relay(FTR-F1)		4	TR327,328	275 0094 908	FET 2SK209-GR	
RL506	214 0188 000	Relay VS-12MBNR-SM2(TV-8)		1 1	TR329	269 0054 901	Transistor DTC144EK	
				١. ١	TR330	269 0055 900	Transistor DTA144EK	
SC501	279 0016 904	Thyristor SF0R1A42		1				- Andrews
					TR801~803		FET 2SK209-GR	
▲ T501	233 6073 107	Power trans (Mini) -E3	for E3,EU,E3T	1 1	TR805	269 0083 901	Transistor DTA114EK	
∆ T501	233 6058 025	Power trans. (Mini) -E2	for E2,E1C	1 1	TR807	269 0054 901	Transistor DTC144EK	
∆ T501	233 5278 009	Power trans. (Mini) -E1	for E1,E1H	1			•	
					D101,102	276 0637 902	Zener diode MTZJ6.2A	
TP501~505	205 0133 035	3 P NH connector base		5	D104	276 0644 937	Zener diode MTZJ9.1A	
TP510	205 0133 035	3 P NH connector base		1	D105	276 0637 902	Zener diode MTZJ6.2A	
					D107	276 0637 902	Zener diode MTZJ6.2A	
	513 2585 074	Fuse label	for F1		D109	276 0432 903	Diode 1SS270A	
			for E2,E1C		D110,111	276 0559 909	Diode DAP202K	
	513 2654 060	Fuse label	for F1					
			for E1,E1H		D304	276 0559 909	Diode DAP202K	
	513 2585 074	Fuse label	for F8	1	D323,324	276 0432 903	Diode 1SS270A	
			for E2,E1,E1H					
					D801~803	276 0432 903	Diode 1SS270A	
	415 0299 000	Condenser cover	for C648	1				
			for E2,E1,E1C,E1H		LD102~110	393 9434 906	LED SEL1210S	Red
					FL101	393 8033 007	FLD (CM1690C)	
			l				(5	

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
	RS GROUP			R349,350	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R101	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R352	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
	247 0005 905	Carbon chip 680ohm 1/10W	RM73B681J	R354	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J
R102~110		Carbon chip 100ohm 1/10W	RM73B101J	R355	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R111	247 0005 905		RM73B101J	R357~360	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R112	247 0007 945	Carbon chip 1kohm 1/10W		R361~364	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J
R113	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J RM73B301J	R365,366	247 0007 990	Carbon chip 1.6kohm 1/10W	RM73B162J
R114	247 0006 917	Carbon chip 300ohm 1/10W		R367~370	247 001,1 902	Carbon chip 33kohm 1/10W	RM73B333J
R115	247 0006 975	Carbon chip 510ohm 1/10W	RM73B511J	R371,372	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R116	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	R373,374	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R117,118	247 0008 957	Carbon chip 3kohm 1/10W	RM73B302J	R378,379	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R124	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R381,382	247 0010 905	Carbon chip 100ohm 1/10W	RM73B101J
R125	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J		247 0003 903	Carbon chip 100kohm 1/10W	RM73B104J
R126	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J	R383,384			RM73B101J
R127	247 0006 917	Carbon chip 300ohm 1/10W	RM73B301J	R385,386	247 0005 905	Carbon chip 100ohm 1/10W	for E3,EU,E1,E1C,
R128	247 0006 975	Carbon chip 510ohm 1/10W	RM73B511J				
R129	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	Door oos	0.47.0000.000	Carbon ship 470-h 4/4034	E1H,E3T
R139	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	R385,386	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
R140	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J				for E2
R141,142	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	R387,388	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
R153~155	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J	R391,392	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R156,157	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R395~398	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R158,159	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J				
R160	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	R401,402	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R162~170	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J				for E3,EU,E1,E1C,
R171	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J				E1H,E3T
R173,174	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J	R401,402	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
R175,176	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J				for E2
R177~181	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J	R403,404	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
R182	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	R407,408	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R183~212	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J	R411~414	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
				R417,418	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R213	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J				for E3,EU,E1,E1C,
							E1H,E3T
R301~304	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J	R417,418	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
R305~308	247 0011 902	Carbon chip 33kohm 1/10W	RM73B333J		,		for E2
R309,310	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	R419,420	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J
R311,312	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R423,424	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R313,314	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	R427,430	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R315,316	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R433~438	247 0011 928	Carbon chip 39kohm 1/10W	RM73B393J
R317,318	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	R439,440	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
R319~321	247 0012 927	Carbon chip 47kohm 1/10W	RM73B473J	R441442	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R325	247 0011 944	Carbon chip 24kohm 1/10W	RM73B243J	R445	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
R326	247 0010 974	Carbon chip 47kohm 1/10W	RM73B473J	R446,447	247 0008 960	Carbon chip 3.3kohm 1/10W	RM73B332J
R327	247 0011 944	Carbon chip 24kohm 1/10W	RM73B243J	R448~450	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
		Carbon chip 47kohm 1/10W	RM73B473J	R451,452	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
R328,329	247 0011 944	Carbon chip 100ohm 1/10W	RM73B101J	R453,454	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R333	247 0005 905			R455	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J
R334	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	R456	247 0011 947	Carbon chip 0ohm 1/10W	RM73B0R0K
R336	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J	R457	247 0010 905	Carbon chip 13kohm 1/10W	RM73B133J
R337~340	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J	R458	247 0010 910	Carbon chip 4.7kohm 1/10W	RM73B472J
R341,342	247 0007 990	Carbon chip 1.6kohm 1/10W	RM73B162J	R459	247 0009 901	Carbon chip 5.6kohm 1/10W	RM73B562J
R343~346	247 0011 902	Carbon chip 33kohm 1/10W	RM73B333J			Carbon chip 4.7kohm 1/10W	RM73B472J
R347,348	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	R460	247 0009 901	Calbon Grip 4.7KOHH 1/1099	111111111111111111111111111111111111111

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R461	247 0009 930	Carbon chip 6.2kohm 1/10W	RM73B622J	R857	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
R462	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	R858	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
R463	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	R859~864	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J
R464	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	R867~869	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R481,482	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	R871,872	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R483	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J		000 000110		
R485~490	247 0007 545	Carbon chip 0ohm 1/10W	RM73B0R0K		ORS GROUP		OV705454047
R493~498	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	C102	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
N493~490	ET! OUIE OE!			C103	254 4193 905	Electrolytic 10µF/16V	CE04W1C100M(SRA) CE04W1H010M(SRA)
R701,702	247 0007 974	Carbon chip 1.3kohm 1/10W	RM73B132J	C104	254 4196 944	Electrolytic 1µF/50V	
11/01,702	241 0007 071		for E2	C107	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(JL)
R701,702	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C109	254 4196 999	Electrolytic 22µF/50V	CE04W1H220M(SRA)
H/U1,/U2.	247 0010 000		for E3,EU,E1,E1C,E1H,E3T	C110~113	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R703,704	247 0006 946	Carbon chip 390ohm 1/10W	RM73B391J	C115	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R705,704	247 0000 0 10	Carbon chip 68kohm 1/10W	RM73B683J	C117	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
R707,708	247 0012 969	Carbon chip 150kohm 1/10W	RM73B154J	C120	257 0003 933	Ceramic chip 30pF/50V	CC73SL1H300J CE04W1C100M(SRA)
R709,710	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J	C121	254 4193 905	Electrolytic 10µF/16V	CK73F1H223Z
R711,712	247 0005 992	Carbon chip 240ohm 1/10W	RM73B241J	C122	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H103Z
R713,714	247 0012 956	Carbon chip 130kohm 1/10W	RM73B134J	C125	257 0012 966	Ceramic chip 0.01μF/50V	CK/3F1H103Z
R715,716	247 0009 998	Carbon chip 11kohm 1/10W	RM73B113J			Et 1.11: 40 E(40)	OFO ANA CHOOM (CAC/DEO)
R717,718	247 0003 949	Carbon chip 22ohm 1/10W	RM73B220J	C301,302	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)
R719,720	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J	C307,308	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)
R721,722	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J	C311,312	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)
R723,724	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	C318	256 1058 984	Metallized 0.12μF/50V	CF93A1H124J(JL)
N/20,/24	247 0000 000	Calcon only	for E3,EU,E1,E1C,	C319	256 1058 942	Metallized 0.056µF/50V	CF93A1H563J(JL)
			E1H,E3T	C320	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
R723,724	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J	C323,324	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3) CC73SL1H101J
11/20,/24	217 0000 002		for E2	C325,326	257 0004 961	Ceramic chip 100pF/50V	
R725,726	247 0015 966	Carbon chip 2.7Mohm 1/10W	RM73B275J	C327,328	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)
R729~732	247 0018 905		RM73B0R0K	C331~334	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3) CC73SL1H101J
11/25-762	2 11 0010 000			C335,336	257 0004 961	Ceramic chip 100pF/50V	
R801,802	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	C337,338	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3) CE04W1C100M(SMG/RE3)
R803,804	247 0005 905		RM73B101J	C341	254 4538 900	Electrolytic 10µF/16V	CC73SL1H331J
R805,806	247 0007 916		RM73B751J	C343,344	257 0005 986	Ceramic chip 330pF/50V	for E2
R807,808	247 0009 943		RM73B682J		257 2005 200	Organia ahin 220mE/E0V	
R809,810	247 0009 901		RM73B472J	C355,356	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R811,812	247 0011 944		RM73B473J	0007.000	057 0005 000	Ceramic chip 330pF/50V	for E2 CC73SL1H331J
R813,814	247 0005 905		RM73B101J	C367,368	257 0005 986	Ceranijo chip 330pr/30V	for E2
R815~818	247 0012 927		RM73B104J	0070 000	050 4050 055	Motellized 0.069. E/E0V	CF93A1H683J(JL)
R819,820	247 0005 905		RM73B101J	C379~382	256 1058 955		CE04W1H010M(SMG/RE3)
R821,822	247 0007 916		RM73B751J	C385,386	254 4524 943		CE04W1C100M(SMG/RE3)
R823	247 0009 943		RM73B682J	C387,388	254 4538 900		CE04W1H010M(SMG/RE3)
R824	247 0009 969		RM73B822J	C389,390	254 4524 943		CC73SL1H101J
R825	247 0009 901		RM73B472J	C395,396	257 0004 961		CE04W1C100M(SMG/RE3)
R827,828	247 0005 905		RM73B101J	C397,398	254 4538 900		CK73F1H103Z
R829	247 0011 944		RM73B473J	C399,400	257 0012 966	Ceramic chip 0.01µF/50V	OK/OF ITTIOL
R831,834	247 0012 927		RM73B104J	0404 400	054 4504 040	Electrolytic 1, E/E/IV	CE04W1H010M(SMG/RE3)
R835,836	247 0005 905		RM73B101J	C401,402	254 4524 943		CK73B1H102K
R837,838	247 0007 916		RM73B751J	C403	257 0008 983		CC73SL1H101J
R839,840	247 0009 901		RM73B472J	C405	257 0004 961	· ·	
R841,842	247 0005 905		RM73B101J	C407	257 0004 961		CC73SL1H101J
R843,844	247 0012 927		RM73B104J	C408	254 4538 900		CE04W1C100M(SMG/RE3) CK73F1E104Z
. 10-10,0-1				C409	257 0014 935	Ceramic chip 0.1μF/25V	ON/OFTETU42

C414 2 C416 2 C459~461 2	Part No. 254 4524 943 254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	OTHER D	- DTO ODOLL	0		
C414 2 C416 2 C459~461 2	254 4524 943		O 100 111 1110 10111 (01111 0111 1110) E 2	OTHERF	ARTS GROU	P		
C416 2 C459~461 2		Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	CW052	205 0885 008	5P connector socket (TUC-P)		1
C459~461	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	CW063	205 0942 019	6P connector socket (TUC-P)		1
	254 4524 901	Electrolytic 0.1µF/50V	CE04W1H0R1M(SMG/RE3)	CW079	205 0942 022	7P connector socket (TUC-P)		1
0402,100	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	CW083	205 0885 095	8P connector socket (TUC-P)		
	20, 000 . 00 .			CW091	205 0885 037	9P connector socket (TUC-P)		1
C703,704	257 0005 944	Ceramic chip 220pF/50V	CC73SL1H221J	CW101	205 1000 002	10P FJ connector plug		
0,00,00	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	CW112	205 0885 066	11P connector socket (TUC-P)		1
	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	CW123	205 0885 079	12P connector socket (TUC-P)		;
0.0.,	254 4533 934	Electrolytic 220µF/6.3V	CE04W0J221M(SMG/RE3)	CW161,162	205 1055 028	16P connector base (TKC-V)		2
	255 4199 999	Mylar film 0.024µF/50V	CQ92M1H243J(MRZ)	044101,102	203 1033 020	Tor connector base (TNO-V)		-
	255 1265 907	Mylar film 6800pF/50V	CQ93M1H682J(B)	CX932	205 1121 033	3P CON.BASE-L(5268)		1
	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	0/302	203 1121 000	3F CON.DAGE-E(3200)		'
,	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223Z	CY021	205 0581 001	2P VH connector base	for E2,E1,E1C,	1
	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J	01021	205 0561 001	2F VH CONNECTOR Dase	E1H,E3T	'
C719,720	237 0003 900	Ceramic only occpr 7504	for E2				E 111,001	
0705 700	247 0018 905	Carbon chip 4.7Mohm 1/10W	RM73B475K	ED404	005 0040 000	Danda industry		
0, 20,, ==		Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	FB101	235 0049 900	Beads inductor	DATOR ADOK	'
	254 4524 943		CK73F1E104Z	FB701	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	1
C741,742	257 0014 935	Ceramic chip 0.1µF/25V	CR/SFIE 1042	11/004	0010510010	OD -in in-th (O OND)		١.
	054 4500 000	Clastrolytic 10E/16\/	CE04W1C100M(SMG/RE3)	JK301	204 8513 010	6P pin jack (S-GND)		
	254 4538 900	Electrolytic 10µF/16V	CC73SL1H470J	JK701	204 8545 004	4P pin jack (GND)		1
	257 0003 988	Ceramic chip 47pF/50V						Ι.
	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	L301~304	235 0049 900	Beads inductor	. 50	4
	255 1265 923	Mylar film 8200pF/50V	CQ93M1H822J(B)	L701,702	235 9003 002	FTZ choke coil	for E2	2
	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	0101 110	212 2211 222			10
C813,814	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223Z CE04W1C100M(SMG/RE3)	S101~112	212 5611 903	Tact switch		12
	254 4538 900	Electrolytic 10μF/16V	CC73SL1H470J	S113	212 0373 000	Rotary encorder EC16B]
	257 0003 988	Ceramic chip 47pF/50V		S114	212 0422 003	Rotary encorder	/ : F0 F1 F10]
C821,822	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	S901	212 1030 009	Power switch (TV-5)	for E2,E1,E1C,	1
C823	255 1265 923	Mylar film 8200pF/50V	CQ93M1H822J(B)				E1H,E3T	}
C825,826	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)					
C827,828	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223Z	ST002	205 0452 004	Style pin		1
C829,830	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)				11 ma 4	
C831,832	257 0003 988	Ceramic chip 47pF/50V	CC73SL1H470J		203 0526 002	1P connector cord Ass'y	W724]]
C835,836	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J		203 0525 029	1P SIN cord Ass'y	W726 to W727	1
C837,838	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)		414 0799 109	Shield plate		1
C839,840	257 0012 982	Ceramic chip 0.022µF/50V	CK73F1H223Z					
C853	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K					
C855	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K					
C857	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K					
C860	254 4524 943	Electrolytic 1μF/50V	CE04W1H010M(SMG/RE3)					
C861,862	254 4538 939	Electrolytic 47μF/16V	CE04W1C470M(SMG/RE3)					
		51	for E2					
C861,862	254 4538 900	Electrolytic 10μF/16V	CE04W1C100M(SMG/RE3)					
			for E3,EU,E1,E1C,E1H,E3T					
C863,864	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)					
C869,870	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)					
			for E2					
C869,870	254 4524 969	Electrolytic 3.3µF/50V	CE04W1H3R3M(SMG/RE3)					
			for E3,EU,E1,E1C,E1H,E3T					
C871	254 4524 969	Electrolytic 3.3µF/50V	CE04W1H3R3M(SMG/RE3)					
C873,874	254 4524 969	Electrolytic 3.3µF/50V	CE04W1H3R3M(SMG/RE3)					

1U-3234 CONTROL UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
	DUCTORS G	ROUP		R114,115	247 0011 928	Carbon chip 39kohm 1/10W	RM73B393J
IC102		IC TC9184AP		R116	247 0013 984	Carbon chip 470kohm 1/10W	RM73B474J
IC103,104	263 0896 909	IC NJM2068MD		R117,118	247 0014 909	Carbon chip 560kohm 1/10W	RM73B564J
10100,104	200 0000 000	10 Hommodoma		R119,120	247 0004 922	Carbon chip 47ohm 1/10W	RM73B470J
IC301	262 1701 906	IC SAA6579T	for E2	R121,122	247 0009 927	Carbon chip 5.6kohm 1/10W	RM73B562J
IC302	262 1929 908	IC LC7074M	for E2	R123,124	247 0010 987	Carbon chip 27kohm 1/10W	RM73B273J
IC303	262 2722 007	IC TMP88CU74F	101 22	R125,126	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
	262 2375 904	IC TC4094BF		R127,128	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
IC304	202 2373 904	10 10403451		R129~132	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
10700 703	269 0178 007	IC GP1F37R (OPT. IN)		R135,136	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
IC702,703 IC704	262 1205 907	IC TC74HCU04AF		R141~143	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
		IC TC74HC151AF		R145,146	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC705	262 2213 901	IC IC/4HCISTAF		11113,110		Canon simp Coon	
TR301	274 0163 904	Transistor 2SD601A		R304~307	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR302	271 0291 903	Transistor 2SA1182Y/O		R308	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
TR303	269 0054 901	Transistor DTC144EK		R309	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR304	269 0082 902	Transistor DTC114EK		R310,311	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR305	269 0055 900	Transistor DTA144EK		R312	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR306	269 0054 901	Transistor DTC144EK		R313	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR307	269 0083 901	Transistor DTA114EK		R314	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR308,309	269 0054 901	Transistor DTC144EK		R315	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
				R316	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
TR901	271 0131 924	Transistor 2SA988(E/F)		R318	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
TR902	273 0445 001	Transistor 2SC4495		R320	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
TR904,905	271 0131 924	Transistor 2SA988(E/F)		R324~326	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
TR906~908	269 0083 901	Transistor DTA114EK		R327	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR910	269 0083 901	Transistor DTA114EK		R329	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
TR911	271 0131 924	Transistor 2SA988(E/F)		R330	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
		, ,		R331	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
D301	276 0432 903	Diode 1SS270A	for E2	R333,334	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
D302	276 0432 903	Diode 1SS270A		R335	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J
D303	276 0634 9.05	Zener diode MTZJ3.3A		R340~342	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
D304	276 0432 903	Diode 1SS270A		R343,344	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
D305,306	276 0704 903	Diode 1SR35-400A		R345	247 0018 905	Carbon chip 0ohm 1/10W	RM73BOROK
5000,000	2,00,0,00	Diodo Torrido Torri		R346	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
D701	276 0432 903	Diode 1SS270A		R347	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K for E2
D001_011	276 0432 903	Diode 1SS270A		R347	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
D901~911	1				3 5301 616	Tanada and Market	for E1,E1H
D913	276 0704 903	Diode 1SR35-400A		R347	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
D914	276 0645 978	Zener diode MTZJ36A				- Same of the first of the firs	for E1C,E3T
D915	276 0704 903	Diode 1SR35-400A		R348	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
D916	276 0643 996	Zener diode MTZJ5.6A		11040	247 0010 000	Carbon only comm in torr	for E3,EU
D917	276 0704 903	Diode 1SR35-400A		R348	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
REGISTO	RS GROUP						for E1C,E3T
R101,102	247 0008 928	Carbon chip 2.2kohm 1/10W	RM73B222J	R348	247 0009 914	Carbon chip 5.1kohm 1/10W	RM73B512J
R103,104	247 0006 946	Carbon chip 390ohm 1/10W	RM73B391J	D040	047.0040.005	Carbon ship Och- 4/40W	for E1,E1H
R105,106	247 0000 340	Carbon chip 470kohm 1/10W	RM73B474J	R349	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
R103,108	247 0013 984	Carbon chip 100ohm 1/10W	RM73B101J	R350	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
	247 0003 903	Carbon chip 82kohm 1/10W	RM73B823J	R351~353	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
R109,110				R354	247 0013 900	Carbon chip 220kohm 1/10W	RM73B224J
R111,112	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	R355	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R356	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	CAPACIT	ORS GROUP		
R357~360	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	C101,102	254 4524 956	Electrolytic 2.2µF/50V	CE04W1H2R2M(SMG/RE3
R361,362	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	C103,104	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
R363~365	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	C105,106	254 4524 969	Electrolytic 3.3µF/50V	CE04W1H3R3M(SMG/RE3
R366	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C107,108	256 1058 942	Metallized 0.056µF/50V	CF93A1H563J(JL)
71000			for E1,E1H	C109,110	255 1265 907	Mylar film 6800pF/50V	CQ93M1H682J(B)
R368	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C111,112	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
R372,373	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C113,114	255 1265 949	Mylar film 0.012µF/50V	CQ93M1H123J(B)
R374	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C115,116	255 1264 953	Mylar film 2700pF/50V	CQ93M1H272J(B)
R375	241 2387 940	Carbon film 4.7ohm 1/4W(NB)	RD14B2E4R7JNBS	C117,118	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3
R376	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	0447440	054 4504 070	Floring A. 7. F/FOV	for E2
R377	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C117,118	254 4524 972	Electrolytic 4.7μF/50V	CE04W1H4R7M(SMG/RE3
11077	211 0000 000	Calcoll only Tolloring	for E2	0440 400	055 4005 070	M. I Cl 0.000 F/501/	for E3,EU,E1,E1C,E1H,E3
R378~383	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C119,120	255 1265 978	Mylar film 0.022µF/50V	CQ93M1H223J(B)
R384	247 0007 974	Carbon chip 1.3kohm 1/10W	RM73B132J	C121,122	254 4524 972	Electrolytic 4.7µF/50V	CE04W1H4R7M(SMG/RE3
11004			for E1,E1H	C123,124	257 0014 935	Ceramic chip 0.1μF/25V	CK73F1E104Z
R385	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C303	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K for E3,EU,E1,E1H
R702,703	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C304	257 0003 920	Ceramic chip 27pF/50V	CC73SL1H270J
R706,707	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	0004	207 0000 020	Column on p 27 pt 700 v	for E2
R708	247 0004 977	Carbon chip 75ohm 1/10W	RM73B750J	C305	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K
R709	247 0005 905	Carbon chip 100ohm 1/10W	RM73B-101J	C308	254 4524 956	Electrolytic 2.2µF/50V	CE04W1H2R2M(SMG/RE
R710	247 0008 928	Carbon chip 2.2kohm 1/10W	RM73B222J	0000	201 102 7 000	Liousiyao Lizza 700 t	for E2
R711	247 0011 944	Carbon chip 47kohm 1/10W	RM73B473J	C311	257 0003 920	Ceramic chip 27pF/50V	CC73SL1H270J
R712	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	0011	207 0000 020	Coldinio omp Er pi root	for E2
				C312	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R801~804	247 0005 989	Carbon chip 220ohm 1/10W	RM73B221J	00.12	207 00.2 000	Ostarino orași oronia recent	for E2
R807~810	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J	C314	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
				C316	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3
R901~904	247 0008 928	Carbon chip 2.2kohm 1/10W	RM73B222J	30,10	20.1000000	2.00th or year to part to t	for E2
R907	247 0014 909	Carbon chip 560kohm 1/10W	RM73B564J	C317	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K
R909	247 0004 977	Carbon chip 75ohm 1/10W	RM73B750J	C321	257 0006 943	Ceramic chip 560pF/50V	CC73SL1H561J
R910	247 0008 902	Carbon chip 1.8kohm 1/10W	RM73B182J	332.			for E2
R911	247 0010 961	Carbon chip 22kohm 1/10W	RM73B223J	C323	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3
R912	247 0008 973	Carbon chip 3.6kohm 1/10W	RM73B362J				for E2
R913	247 0014 909	Carbon chip 560kohm 1/10W	RM73B564J	C325	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
R914	247 0013 984	Carbon chip 470kohm 1/10W	RM73B474J	C339	254 4536 957	Electrolytic 470µF/10V	CE04W1A471M(SMG/RE3
R915	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C340	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z
R916	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C341	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3
R917	247 0013 984	Carbon chip 470kohm 1/10W	RM73B474J	C342	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K
R918	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C348	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3
R919	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C349	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R920	247 0013 984	Carbon chip 470kohm 1/10W	RM73B474J	C350	256 1058 984	Metallized 0.12µF/50V	CF93A1H124J(JL)
R921	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C352	254 4304 927	Electrolytic 4.7µF/35V	CE04W1V4R7M(SRE)
R922	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C353	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R926	247 0013 984	Carbon chip 470kohm 1/10W	RM73B474J	C354	254 4300 963	Electrolytic 100µF/6.3V	CE04W0J101M(SRE
R927	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C355	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
R928	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C356	257 0002 983	Ceramic chip 1000pF/50V	CK73B1H102K
R932	241 2387 940	Carbon film 4.7ohm 1/4W (NB)	RD14B2E4R7JNBS	C357	259 0007 702	Back up cap. 8200µF/5.5V	SB CAP==822=C
R933	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C358	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
R934	244 2055 996	Metal oxide 1.2kohm 1W	RS14B3A122JNBS(S)	C359	254 4533 934	Electrolytic 220µF/6.3V	CE04W0J221M(SMG/RE3)
R939,940	244 2055 996	Metal oxide 1.2kohm 1W	RS14B3A122JNBS(S)	0009	-04 4000 304	Eloutoly no Ezopti /0.0 v	OLOTHOULE IN(OHOMILO)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	Q'ty
C367	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	OTHER P	ARTS GROU	P		
C373	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CW064	205 0942 019	6P connector socket (TUC-P)		1
			for E2,E1,E1C,E1H,E3T	CW066	205 0942 019	6P connector socket (TUC-P)	}	1
C375	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K	CW085	205 0885 095	8P connector socket (TUC-P)		1
C377	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)	CW092	205 0885 037	9P connector socket (TUC-P)	0	1
C385	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CW116	205 0885 066	11P connector socket (TUC-P)		1
			for E2,E1C,E3T	CW124	205 0885 079	12P connector socket (TUC-P)		1
C390	256 1058 971	Metallized 0.1µF/50V	CF93A1H104J(JL)	CW156	205 0885 040	15P connector socket (TUC-P)		1
C393	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K			,		
C395	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CX051,052	205 0884 009	5P connector base (TUC-P)		2
			for E1, E1H	CX061~066	205 0943 018	6P connector base (TUC-P)		6
C397	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CX071,072	205 0943 021	7P connector base (TUC-P)		2
C398	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J	CX073	205 1000 015	7P FJ connector plug		1
C399	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CX075,076	205 1000 015	7P FJ connector plug		2
				CX079	205 0943 021	7P connector base (TUC-P)		1
C491	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	CX082,083	205 0884 096	8P connector base (TUC-P)		2
			for E3,EU,E1,E1H	CX091	205 0884 038	9P connector base (TUC-P)		1
· .				CX111,112	205 0884 067	11P connector base (TUC-P)		2
C701	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	CX116,117	205 0884 067	11P connector base (TUC-P)		2
C703,704	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	CX121	205 0884 070	12P connector base (TUC-P)		1
C706,707	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)	CX123,124	205 0884 070	12P connector base (TUC-P)		2
C709	257 0014 935	Ceramic chip 0.1µF/25V	CK73F1E104Z	CX141	205 0884 012	14P connector base (TUC-P)		1
C710	254 4524 969	Electrolytic 3.3µF/50V	CE04W1H3R3M(SMG/RE3)	CX151	205 0884 041	15P connector base (TUC-P)		1
C714		CC73SL1H220J	CX161,162	205 1056 027	16P connector socket TKC-V		2	
C715,716		CK73F1H103Z	0,0,0,102	200 1000 021			-	
C717		CE04W1C100M(SMG/RE3)	FB302	235 0049 900	Beads inductor		1	
C718,719	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	FB304,305	235 0049 900	Beads inductor		2
0, 10,				FB704~706	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	
C857	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	15/04/00	247 0010 000	Carbon crisp corini in tove	THE TOD OTTOK	"
C858	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	JK701	204 8593 001	1P pin jack (OR,NI)		1
				JK801	204 8540 009	4P pin jack		1
C901	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	O1001	204 0040 000	, pirijaok		'
C902	254 4524 956	Electrolytic 2.2µF/50V	CE04W1H2R2M(SMG/RE3)	L308	235 0131 902	EMI filter	BLM21B272S	1
C903	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	L313~315	235 0131 902	EMI filter	BLM21B272S	3
C909	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	L319	235 0131 902	EMI filter	BLM21B272S	1
C911	254 4527 908	Electrolytic 0.1µF/100V	CE04W2A0R1M(SMG/RE3)	L703		Inductor 2.2µH	DENETDETE	
C912	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	L704,705	235 0060 918	Inductor 4.7µH		2
C914	254 4524 901	Electrolytic 0.1µF/50V	CE04W1H0R1M(SMG/RE3)	L104,100	200 0000 910	iniductor 4.7µm		-
C916~918	254 4524 901	Electrolytic 0.1µF/50V	CE04W1H0R1M(SMG/RE3)	ST004,005	205 0452 004	Style pin		2
C919	254 4522 958	Electrolytic 100µF/35V	CE04W1V101M(SMG/RE3)	01004,000	200 0402 004	Otylic pill		-
C920	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	W708,709	205 1034 010	M3 Screw terminal		2
C961	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	¥¥700,703	200 1004 010	INO Sciew territina		-
C962	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	X301	399 0178 007	Crystal	4.332MHz	1
C981	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K	7001	333 0170 007	Orystai	for E2	'
C983	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K				101 62	
0900	207 0000 000	Columno on procept 700 V	for E2,E1C,E3T	VI 201	200 0101 002	Coromio roponator	CST4.00MGW-TF01	1
C984	253 1180 921	Ceramic 1000pF/50V	CK45B1H102K	XL301	399 0191 903	Ceramic resonator	for E2	Ϊ΄
J307	200 1100 321		for E2,E1C,E3T	VI 202	300 0533 000	Caramia reconstor		,
			.01,_ 10,01	XL302	399 0532 902	Ceramic resonator	CST12.5MTW-TF01	1
					000 0400 000	1D CIN connector 4 col		4
					203 0438 093	1P SIN connector Ass'y		1
		l .	1 11		203 0438 080	1P SIN connector Ass'y		1 1

1U-3235 REGULATOR UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS G	ROUP		RESISTO			
IC501	216 9013 004	FM front end(U) S	for E2	R501	247 0002 966	Carbon chip 10ohm 1/10W	RM73B100J
IC501	216 0102 008	Front end	for E3,EU,E1,E1C,E1H,E3T	R502	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
IC502	263 0891 001	IC LA1265(S)	10/ 20/20/21/210/211/201	HOOL	247 0010 000	Carbon only contin 171011	for E2
IC502	263 0439 007	IC LA3401		R503	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
IC503	262 2450 900	IC LC72131M		R504~512	247 0007 945	Carbon chip 0ohm 1/10W	RM73B0R0K
10507	202 2430 900	IO LO72 IO IW		R514	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC902,903	263 0809 006	IC NJM7805FA(S)		R515	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J
IC902,903	263 0793 002	IC NJM7806FA(S)		noio	247 0003 903	Carbon Grip Tooonin 1/10	
	263 0793 002	IC NJM7800FA(S)		R516	247 0006 920	Corbon ohin 220ohm 1/10M	for E3,EU,E1,E1C,E1H,E3 RM73B331J
IC906		IC NJM7912FA		N310	247 0006 920	Carbon chip 330ohm 1/10W	
IC907	263 0641 002	IC NJW/912FA		DE16	047 0007 045	Corbon ohin tkohm 1/101M	for E2
TDEAL	075 0074 000	FET OCKOLL VIOD	for FO	R516	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR501	275 0074 902	FET 2SK211-Y/GR	for E2	D547	0.17.0000.000	0-1	for E3,EU,E1,E1C,E1H,E3
TR502	273 0411 909	Transistor 2SC2996-Y		R517	247 0006 920	Carbon chip 330ohm 1/10W	RM73B331J
TR503,504	269 0083 901	Transistor DTA114EK					for E2
TR505	269 0114 906	Transistor RN2402		R518	247 0005 989	Carbon chip 220ohm 1/10W	RM73B221J
TR508	269 0054 901	Transistor DTC144EK		R519	247 0006 962	Carbon chip 470ohm 1/10W	RM73B471J
TR509,510	269 0066 902	Transistor DTC323TK		R520	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR511	269 0086 908	Transistor DTA114TK		R521	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J
				R522	247 0006 920	Carbon chip 330ohm 1/10W	RM73B331J
TR801~804		Transistor 2SC2878(A/B)		R523	247 0007 961	Carbon chip 1.2kohm 1/10W	RM73B122J
TR809~814	273 0253 918	Transistor 2SC2878(A/B)		R524	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
TR815~818	271 0094 919	Transistor 2SA970(BL)		R525	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR819,820	273 0281 906	Transistor 2SC2705(O)/(Y)		R526	247 0009 927	Carbon chip 5.6kohm 1/10W	RM73B562J
TR821,822	273 0253 918	Transistor 2SC2878(A/B)		R527~529	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J
TR823~826	271 0094 919	Transistor 2SA970(BL)		R531,532	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
TR827,828	273 0281 906	Transistor 2SC2705(O)/(Y)		R533	247 0010 929	Carbon chip 15kohm 1/10W	RM73B153J
TR829	273 0253 918	Transistor 2SC2878(A/B)					for E3,EU,E1,E1C,E1H,E3
TR830,831	271 0094 919	Transistor 2SA970(BL)		R534	247 0005 921	Carbon chip 120ohm 1/10W	RM73B121J
TR832	273 0281 906	Transistor 2SC2705(O)/(Y)		R535	247 0010 945	Carbon chip 18kohm 1/10W	RM73B183J
							for E3,EU
TR911	269 0082 902	Transistor DTC114EK		R535	247 0011 928	Carbon chip 39kohm 1/10W	RM73B393J
TR917	273 0429 904	Transistor 2SC3311A					for E2,E1,E1C,E1H,E3
TR918~920	271 0262 000	Transistor 2SA1670(O/P/Y)		R536	247 0008 944	Carbon chip 2.7kohm 1/10W	RM73B272J
							for E2
D501	276 0432 903	Diode 1SS270A		R536	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K
D503~505	276 0432 903	Diode 1SS270A					for E3,EU,E1,E1C,E1H,E3
				R537	247 0011 986	Carbon chip 68kohm 1/10W	RM73B683J
D911~913	276 0432 903	Diode 1SS270A		R538	247 0009 943	Carbon chip 6.8kohm 1/10W	RM73B682J
D914,915	276 0704 903	Diode 1SR35-400A		R539	247 0009 927	Carbon chip 5.6kohm 1/10W	RM73B562J
D917~921	276 0704 903	Diode 1SR35-400A		R540,541	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J
D922	276 0305 001	Diode S4VB20		R542,543	247 0008 960	Carbon chip 3.3kohm 1/10W	RM73B332J
D924	276 0704 903	Diode 1SR35-400A		R544,545	247 0012 969	Carbon chip 150kohm 1/10W	RM73B154J
							for E2
ZD917,918	276 0637 902	Zener diode MTZJ6.2A		R544,545	247 0012 927	Carbon chip 100kohm 1/10W	RM73B104J
ZD502	276 0644 937	Zener diode MTZJ9.1A		1.01.,0.0	2 00.12.02.	ourself for the first transfer	for E3,EU,E1,E1C,E1H,E3
	2,0 3017 007		j 1	R546	247 0011 928	Carbon chip 39kohm 1/10W	RM73B393J
LD901	393 9408 903	LED SEL-4214S		R547	247 0011 928	Carbon chip 100kohm 1/10W	RM73B104J
LD301	555 5700 500	VLL 76170	· I	R548	247 0012 927	Carbon chip 10kohm 1/10W	RM73B103J
PT901	279 0034 054	Posistor PTH9M04BC222TS2F333		R549	247 0009 985	·	RM73B103J
1901	213 0004 004	1 000001 111000000000000000000000000000		R550	247 0012 927	Carbon chip 100kohm 1/10W	RM73B562J
						Carbon chip 5.6kohm 1/10W	1
				R551	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R553,554	247 0008 960	Carbon chip 3.3kohm 1/10W	RM73B332J	C518	257 0010 984	Ceramic chip 0.047µF/50V	CK73B1H473K
R555,556	247 0008 960	Carbon chip 3.3kohm 1/10W	RM73B332J	C519	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
			for E2				for E2
R555,556	247 0009 927	Carbon chip 5.6kohm 1/10W	RM73B562J	C520	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
			for E3,EU,E1,E1C,E1H,E3T	C521~523	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K
R569	247 0009 927	Carbon chip 5.6kohm 1/10W	RM73B562J	C524	254 4524 930	Electrolytic 0.47µF/50V	CE04W1HR47M(SMG/RE3)
			for E2	C525	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)
R570	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C526	257 0010 942	Ceramic chip 0.022µF/50V	CK73B1H223K
			for E2	C527	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
R571~574	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K				for E3,EU
R575,576	247 0012 998	Carbon chip 200kohm 1/10W	RM73B204J	C527	254 4524 927	Electrolytic 0.33µF/50V	CE04W1HR33M(SMG/RE3)
			for E2				for E2,E1,E1C,E1H,E3T
R575,576	247 0012 943	Carbon chip 120kohm 1/10W	RM73B124J	C528	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3).
			for E3,EU,E1,E1C,E1H,E3T	C529	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
R577	247 0010 961	Carbon chip 22kohm 1/10W	RM73B223J	C530	254 4524 914	Electrolytic 0.22µF/50V	CE04W1HR22M(SMG/RE3)
R578	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C531	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
R579~581	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C532	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K
			for E3,EU,E1,E1C,E1H,E3T	C533	256 1058 939	Metallized 0.047µF/50V	CF93A1H473J(JL)
R582	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C534	256 1058 942	Metallized 0.056µF/50V	CF93A1H563J(JL)
R595	247 0018 905	Carbon chip 0ohm 1/10W	RM73B0R0K	C535	254 3053 910	Electrolytic 22µF/16V	CE04D1C220MBP
				C536	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
R713,714	244 2052 960	Metal oxide 220ohm 1W	RS14B3A221JNBS(S)				for E3,EU,E1,E1C,E1H,E3T
				C537	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)
R861,862	241 2376 964	Carbon film 47ohm 1/4W(NB)	RD14B2E470JNBS				for E2
R887,888	241 2376 964	Carbon film 47ohm 1/4W(NB)	RD14B2E470JNBS	C538	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)
		*		C539,540	257 0006 972	Ceramic chip 750pF/50V	CC73SL1H751J
R901	241 2376 964	Carbon film 47ohm 1/4W(NB)	RD14B2E470JNBS				for E3,EU
R911	247 0006 917	Carbon chip 300ohm 1/10W	RM73B301J	C539,540	257 0005 986	Ceramic chip 330pF/50V	CC73SL1H331J
R912	247 0006 975	Carbon chip 510ohm 1/10W	RM73B511J		0.52 0.000 0.00		for E2
R913	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C539,540	257 0006 930	Ceramic chip 510pF/50V	CC73SL1H511J
R914	247 0007 903	Carbon chip 680ohm 1/10W	RM73B681J	0544	054.4504.050	Floatralistic C. O. F/FOV	for E1,E1C,E1H,E3T CE04W1H2R2M(SMG/RE3)
R917	247 0005 976	Carbon chip 200ohm 1/10W	RM73B201J	C541 C544	254 4524 956 257 0010 900	Electrolytic 2.2µF/50V Ceramic chip 0.01µF/50V	CK73B1H103K
R941,942	247 0005 905	Carbon chip 100ohm 1/10W	RM73B101J	C545,546	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
R943,944	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J		257 0002 963	Ceramic chip 15pF/50V	CC73SL1H150J
R949~951	241 2376 919	Carbon film 30ohm 1/4W(NB)	RD14B2E300JNBS RD14B2E100JNBS	C557,558 C559	254 4524 943		CE04W1H010M(SMG/RE3)
R963	241 2375 907	Carbon film 10ohm 1/4W(NB)	RD 1462E TOUSINGS	C561	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
VD504	211 6132 925	Semi fixed resistor 10ohm	V06PB103	C562	257 0012 900	Ceramic chip 0.1µF/25V	CK73F1E104Z
VR501		Semi fixed resistor 1000hm	V06PB104	C570	254 4538 900	Electrolytic 10µF/16V	CE04W1C100M(SMG/RE3)
VR502	211 6132 983	Senii lixed resistor roodiini	V00FB104	C571	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)
				C574	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
CAPACI	TORS GROUP			C575	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
C501,502	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K	C576	257 0008 983	Ceramic chip 1000pF/50V	CK73B1H102K
C503~305	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K	1			for E1,E1H
C507,308	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K	•			
C509	257 0002 947	Ceramic chip 12pF/50V	CC73SL1H120J	C721,722	255 1264 908	Mylar film 1000pF/50V	CQ93M1H102J(B)
C510	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K	C723	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104Z
C511	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)				
C512	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K	C813,814	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)
C513	254 4524 943		CE04W1H010M(SMG/RE3)	C817~820	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)
C514	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z	C823,824	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)
C515	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)				
C516,517	257 0010 900	Ceramic chip 0.01µF/50V	CK73B1H103K		1		

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	Qʻty
C825,826	254 4538 942	Electrolytic 100μF/16V	CE04W1C101M(SMG/RE3)	OTHER P	ARTS GROU	Р		
			for E2	CF501	261 0146 006	Ceramic filter FMCFSK107M2-A	for E2	1
C825,826	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)	CF501	261 0135 907	Ceramic filter MA8	for E3,EU,E1,	1
			for E3,EU,E1,E1C,E1H,E3T		*		E1C,E1H,E3T	
C829,830	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	CF502	261 0146 006	Ceramic filter FMCFSK107M2-A	for E2	1
C831~834	253 1179 945	Ceramic 220pF/50V	CK45B1H221K	CF502	261 0136 906	Ceramic filter MS2G	for E3,EU,E1,	
C835,836	254 4538 955	Electrolytic 220µF/16V	CE04W1C221M(SMG/RE3)				E1C,E1H,E3T	
			for E2	CF503	261 0079 005	Ceramic resonator	CSB456F11	1 -
C835,836	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)	CF504	261 0031 001	Ceramic filter BFU450C4		1
			for E3,EU,E1,E1C,E1H,E3T	CF505	261 0116 007	Ceramic filter SFU450B3		1
C837,838	255 1264 966	Mylar film 3300pF/50V	CQ93M1H332J(B)					
C839,840	253 4482 901	Ceramic 33pF/500V	CC45SL2H330J	CW054~057	205 0885 008	5P connector socket (TUC-P)		4
C841,842	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)	CW065	205 0942 019	6P connector socket (TUC-P)		1
C845,846	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	CW073	205 1081 018	7P FJ connector base		1
C847~850	253 1179 945	Ceramic 220pF/50V	CK45B1H221K	CW074	205 0942 022	7P connector socket (TUC-P)		1
C851,852	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)	CW075,076	205 1081 018	7P FJ connector base		1
C853,854	255 1264 966	Mylar film 3300pF/50V	CQ93M1H332J(B)	CW117	205 0885 066	11P connector socket (TUC-P)		1.
C855,856	253 4482 901	Ceramic 33pF/500V	CC45SL2H330J	CW151	205 0885 040	15P connector socket (TUC-P)		1
C859	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)					
C860	254 4538 913	Electrolytic 22µF/16V	CE04W1C220M(SMG/RE3)	CX037	205 0343 032	3P connector base(KR-PH)	for E3,EU	1
C862	254 4524 985	Electrolytic 10µF/50V	CE04W1H100M(SMG/RE3)	CX087	205 1120 089	8P connector base(5267)		1
C863,864	253 1179 945	Ceramic 220pF/50V	CK45B1H221K	CX101	205 1081 005	10P FJ connector base		1
C865	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)	CX156	205 0884 041	15P connector base (TUC-P)		1
C866	255 1264 966	Mylar film 3300pF/50V	CQ93M1H332J(B)			, ,		
C867	253 4482 901	Ceramic 33pF/500V	CC45SL2H330J	CY031	205 0343 032	3P connector base(KR-PH)		1
				CY037	205 0343 032	3P connector base(KR-PH)	for E3,EU	1
C914,915	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z					
C937	254 4538 939	Electrolytic 47µF/16V	CE04W1C470M(SMG/RE3)	Д F11−14	206 1039 076	Fuse 2.5A	for E3,EU,E3T	4
C938	253 9039 906	Ceramic 0.1µF/25V	CK45=1E104Z	丞F11~14	206 1015 032	Fuse 2.5A	for E2,E1,E1C,E1H	1 4
C939~941	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z					
C943~944	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	FB501	235 0049 900	Beads inductor		1
C946	254 4541 939	Electrolytic 47µF/25V	CE04W1E470M(SMG/RE3)					
C947~950	254 4541 939	Electrolytic 47μF/25V	CE04W1E470M(SMG/RE3)	FF901~904	202 0040 909	Fuse clip		4
C951~952	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)					
C954,955	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	FH901-904	202 0040 909	Fuse clip		4
C957,958	254 4406 702	Electrolytic 3300µF/16V	CE04W1C332M(SMG)					
C959	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	JK501	205 0847 004	3P antenna terminal (PAL/F)		1
C960,961	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	JK702	204 8264 071	Headphone jack (GOLD)	for E1,E1H	1
C962	254 4403 705	Electrolytic 6800µF/25V	CE04W1E682M(SMG)	JK702	204 8264 013	Headphone jack (NI)	for E3,EU,E2,	1
C963	254 4403 718	Electrolytic 1000µF/25V	CE04W1E102M(SMG)				E1C,E3T	
C965~968	256 1058 971	Metallized 0.1μF/50V	CF93A1H104J(JL)					
C969,970	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)	L504	235 0060 905	Inductor 2.2µH		1
C975,976	254 4524 943	Electrolytic 1µF/50V	CE04W1H010M(SMG/RE3)					
			·	LF501	232 9010 009	Antibirdie filter	for E2	1
		*		LF503,504	232 0085 004	LPF	for E2	2
1				S901	212 0373 000	Rotary encorder EC16B		1
1				\$902,903	212 5611 903	Tact switch		2
				S905	212 5611 903	Tact switch		1
	-							
				SW901	212 0420 005	1P push switch	for E3,EU	1
	1							
					L			

1U-3236 VOLTAGE SEL. UNIT ASS'Y

Ref. No. Part No. Part Name Remarks Q'ty Ref. No. Part No. Part Name Remarks T501 231 2096 001 MW antosc. coil 1 1 CX042 205 0581 030 4P VH connector base for E1,E1H T503 231 1138 009 AM IFT 1 CX042 205 0581 030 4P VH connector base for E1,E1H TP102 205 0133 035 3 P NH connector base 1 FF901 206 1015 032 Fuse 2.5A for E1,E1H W712 203 0526 002 1P contact Ass'y 1 FF901 202 0040 909 Fuse clip for E1,E1H XL503 399 0075 003 Crystal 7.2MHz 1 A S801 212 4810 006 Slide switch for E1,E1H S501 212 0408 001 Slide switch for E1,E1H 1 513 2585 074 Fuse label for E1,E1H 415 0309 026 513 2585 074 Fuse label for E2,E1,E1C,E1H 4 4 4 4 4 4 4 4 4 4 4 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
T502 231 2085 009 FM DET trans. AM IFT TP102 205 0133 035 3 P NH connector base TF901 202 0040 909 Fuse clip	1 1 1
T503 231 1138 009 AM IFT 1	1 1
TP102	1
TP102	1
W712	1
W712 203 0526 002 1P contact Ass'y 1 1 FH901 202 0040 909 Fuse clip for E1,E1H XL503 399 0075 003 Crystal 7.2MHz 1 Δ S801 212 4810 006 Slide switch for E1,E1H S501 212 0408 001 203 0356 010 415 0309 026 Slide switch Fuse label for E1,E1H 1 1 513 2585 074 Fuse label for E1,E1H	1
W726 205 1034 010 M3 Screw terminal 1 FH901 202 0040 909 Fuse clip for E1,E1H XL503 399 0075 003 Crystal 7.2MHz 1 £ \$801 212 4810 006 Slide switch for E1,E1H S501 212 0408 001 203 0356 010 415 0309 026 Slide switch for E1,E1H 1 513 2585 074 Fuse label for E1,E1H P.V.C. tube (L=20) 2 2 400 006 Fuse label Fuse label	ı
XL503 399 0075 003 Crystal 7.2MHz 1 212 0408 001 Slide switch Fuse label for E1,E1H 1 513 2585 074 Fuse label for E1,E1H 1 415 0309 026 P.V.C. tube (L=20) 2	ı
S501 212 0408 001 212 0408 001 203 0356 010 203 0356 010 415 0309 026 Slide switch Earth wire P.V.C. tube (L=20) 513 2585 074 Fuse label for E1,E1H	
203 0356 010 Earth wire 1 1 415 0309 026 P.V.C. tube (L=20) 2	1
203 0356 010 Earth wire 1 1 415 0309 026 P.V.C. tube (L=20) 2	
415 0309 026 P.V.C. tube (L=20) 2	
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Note: The symbols in the column "Remarks" indicate the following distinations.

E3: U.S.A. & Canada model E1C: China model

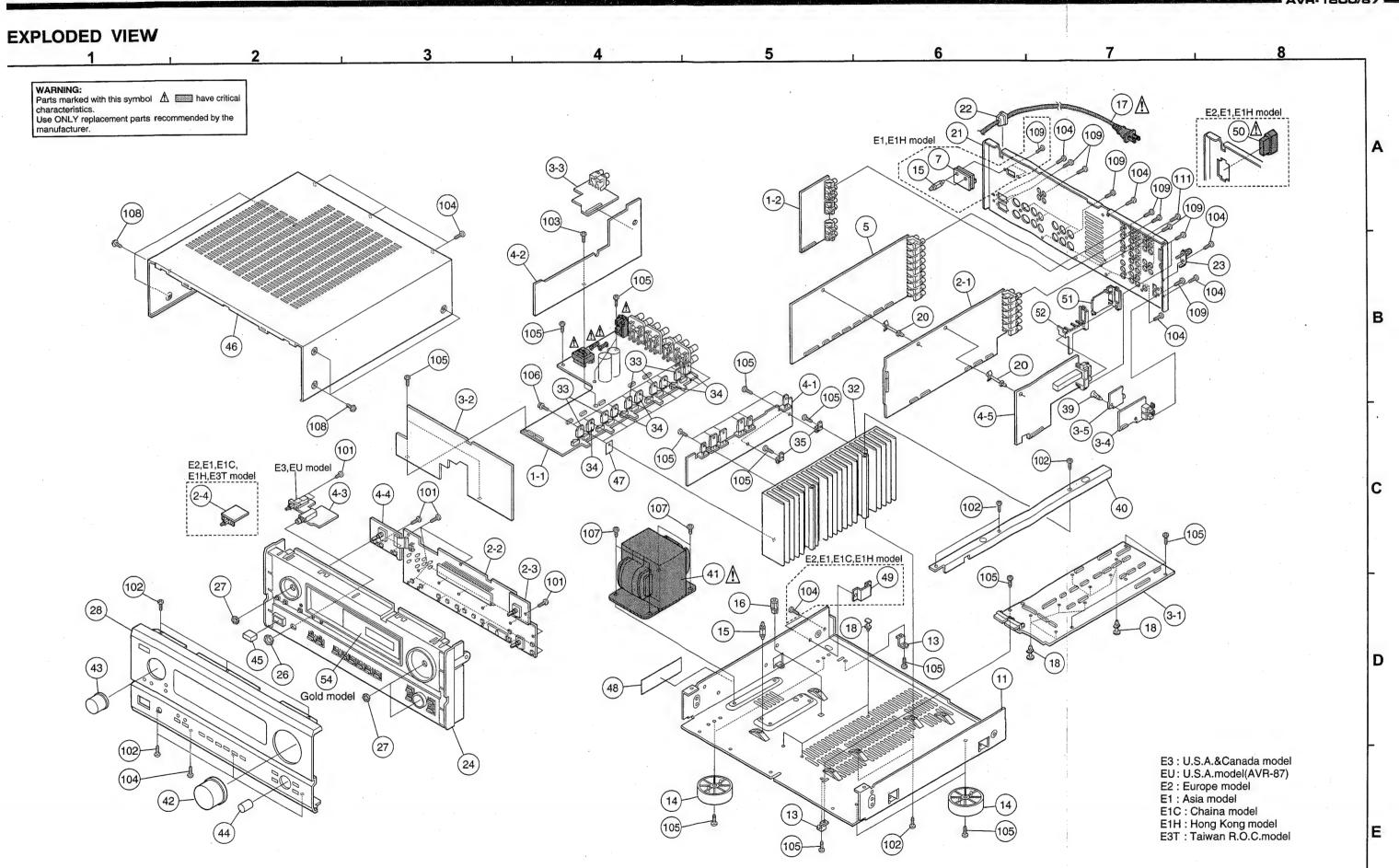
EU: U.S.A. model (AVR-87) E1H: Hong Kong model

E2: Europe model E3T: Taiwan R.O.C. model

E1: Asia model

PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref.	Vo.	Part No.	Part Name	Remarks	Q'ty
1	Note	Power unit Ass'y		1		46	102 0603 033	Top cover	Gold model	1
<u>_1-1-1</u>		Power unit				47		Insulating sheet		10
ـــــــــــــــــــــــــــــــــــــ		C.video unit				48	513 3337 001	Caution label	for E3,EU	1
2	Note	EXT.in unit Ass'y		1		49	412 2955 107	Side bracket	for E2,E1,E1C,E1H	1
r-2-1		EXT.in volume unit			Δ	50	203 3942 007	AC outlet	for E2,E1,E1H	1
2-2		Display unit				51	412 4556 009	Earth plate(B)		1
2-3		Volume unit				52	412 4557 008	Earth plate(A)		1
2-4		Power switch unit			*	53	Note	Rating label/sheet	()	1
3	Note	Control unit Ass'y		1		54	146 2151 004	Blind sheet	Gold model	1
-3-1		Control unit			*	55	203 4871 067	3P KR-KR ribbon wire 175	CN031 for CX,CY031 H/P	1
3-2		Connect unit			*	56	203 4871 038	3P KR-KR ribbon wire 100	CN037 for CX,CY037 P/SW	1
3-3		Preout unit							for E3,EU	
3-4		Digital in-1 unit			*	57	445 8004 007	Wire clamper		3
_3-5		Digital in-2 unit			*	58	477 0096 007	Push rivet	for SP terminal	14
4	Note	Regulator unit Ass'y		1					for E2,E1,E1C,E1H	
<u>-4-1</u>		Regulator unit			*	59	515 8030 040	Preset label	for AC cord	1
4-2		Amp. unit							for E1,E1H	
4-3		H/P & P.SW unit			*	60	Note	Caution label		1
4-4		Front unit			*		513 2481 000		for E3T	1
4-5		Tuner unit								
5	Note	Audio/DSP unit Ass'y		1						
7	1U-3236A	Voltage SEL. unit Ass'y	for E1,E1H	1	SCF	EWS	& NUTS			
	411 1372 526	Main chassis	101 21,2111	1		101	473 7500 015	Screw 3×8 CBTS(P)-Z		19
11	412 4210 002	Bracket		2		102	473 7501 001	Screw 3×10 CBTS(P)-Z		10
13		Foot Ass'y		4		103	473 7501 030	Screw 3×20 CBTS(P)-Z		1
14.	104 0194 205	P.W.B. holder		Note		104	473 7015 018	Screw 3×8 CBTS(S)-B		Note
15	449 0133 017			1		105	473 7005 002	Screw 3×10 CBTS(S)-Z		28
16	412 3548 005	P.W.B.catcher		4		106	473 8007 009	Cup screw 3×12		10
∆ 17	Note	AC cord		Note		107	473 7004 016	Screw 4×6 CBTS(S)-Z		4
18	412 2814 028	Card spacer (L=10)				108	473 8064 000	Screw 4×8 CBTS(B)-B-3P	Black model	6
20	409 0052 019	Holder (A)		2		108	473 8064 013	Screw 4×8 CBTS(B)-N-3P	Gold model	6
21	Note	Back panel		1		109	477 0064 107	Fixing screw		Not
22	445 0056 008	Cord bush		1	H	111	473 7006 056			1
23	205 1116 006	Terminal Ass'y	DI 1	1	II					
24	146 2139 220	Inner panel	Black model	1						
24	146 2139 233	Inner panel	Gold model	1						
26	475 6124 003	12 Nut		1						
27	-	9 Nut		3						
28	Note	Front panel Ass'y		1						
32	417 0588 005	Radiator		1	H					
33	273 0389 031	Transistor 2SC3855 LB(O/P/Y)(Z)	TR515,516,535,536,548	5	H					
34	271 0240 035	Transistor 2SA1491 LB(O/P/Y)(Z)	TR517,518,537,538,549	5						
35	412 4127 001	P.W.B.bracket(B)		2						
39	412 2741 007	P.W.B.holder (H=8)		1						
40	412 4296 107	Radiator bracket		1	II					
∆ 41	Note	Power trans. (Main)		1	ll .					
42	112 0844 006	Knob (M) Ass'y	Black model	1						
42	112 0844 019	Knob (M) Ass'y	Gold model	1						
43	112 0846 004	Knob (F) Ass'y	Black model	1						
43	112 0846 017	Knob (F) Ass'y	Gold model	1						
44	112 0848 002	Knob (S) Ass'y	Black model	1	Ш					
44	112 0848 015	Knob (S) Ass'y	Gold model	1	II					
45	113 1873 105	Push knob	Black model	1					,	
1	113 1873 118	Push knob	Gold model	1	Н					1
45	110 10/0 110	I GOT MICO					I	1	1	



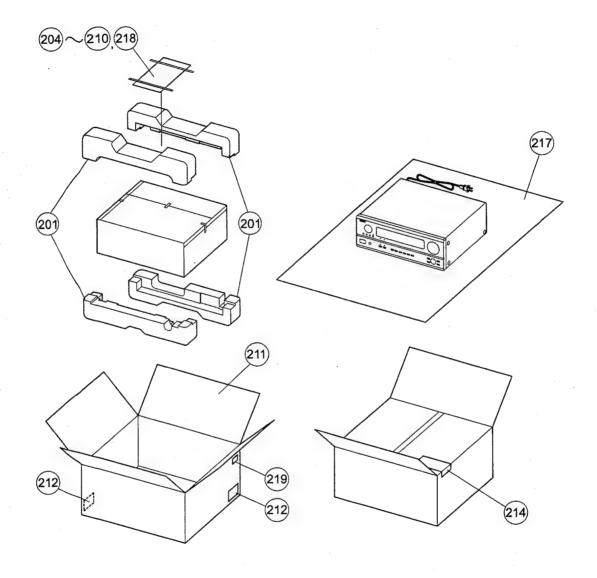
ADDENDUM PARTS LIST OF EXPLODED VIEW

Def No	Dort Name	U.S.A. & Canada M	odel	U.S.A. Model (AVF	1-87)	Europe Model		Asia Model		China Model		Hong Kong Mo	del	Taiwan R.O.C. Mo	del	Remarks
Ref. No.	Part Name	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Qʻty	nemarks
1	Power unit Ass'y	1U-3232H		1U-3232H		1U-3232K		1U-3232L		1U-3232M		1U-3232P		1U-3232J		
r— 1-1	Power unit													• • • • • • • • • • • • • • • • • • • •		
1-2	C.video unit	, 0											ŀ			
2	EXT.in unit Ass'y	1U-3233H		1U-3233H		1U-3233K		1U-3233L		1U-3233M		1U-3233L		1U-3233J		
r-2-1	EXT.in volume unit															
2-2	Display unit															
2-3	Volume unit															
L- 2-4	Power switch unit	_		_												
гз	Control unit Ass'y	1U-3234H		1U-3234H		1U-3234K		1U-3234L		1U-3234M		1U-3234L		1U-3234J		,
<u></u>	Control unit															
3-2	Connect unit													*		
3-3	Preout unit							. Programme of the state of the								
3-4	Digital in-1 unit							1								
<u></u> 3-5 □	Digital in-2 unit															
4	Regulator unit Ass'y	1U-3235H		1U-3235H		1U-3235K		1U-3235L		1U-3235M		1U-3235L		1U-3235J		
<u> </u>	Regulator unit									•						
4-2	Amp. unit															
4-3	H/P & P.SW unit															
4-4	Front unit													1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
4-5	Tuner unit															
5	Audio/DSP unit Ass'y	1U-3197H		1U-3197H		1U-3197K		1U-3197L		1U-3197M		1U-3197L		1U-3197J		
15	P.W.B. holder	449 0133 017	1	449 0133 017	1	449 0133 017	1	449 0133 017	3	449 0133 017	3	449 0133 017	3	449 0133 017	1	
17		206 2160 009		206 2160 009		206 2089 106		206 2175 007		206 2174 008		206 2177 005		206 2160 009		
	Card spacer (L=10)	412 2814 028	11	412 2814 028	11	412 2814 028	12	412 2814 028	11	412 2814 028	11	412 2814 028	11	412 2814 028	. 11	
21	Back panel	105 1316 289		105 1323 120		105 1323 104		105 1323 117		105 1323 188		105 1323 117		105 1323 162		
28	Front panel Ass'y(Black model)	144 2677 003		144 2677 016		144 2677 045		144 2677 029		144 2677 029		144 2677 029		144 2677 029		
28	Front panel Ass'y(Gold model)			200 0004 200		144 2677 058		144 2677 032		144 2677 032		144 2677 032		144 2677 032		
*******************************	Power trans. (Main)	233 6304 009		233 6304 009		233 6305 008		233 6306 007		233 6305 008		233 6306 007		233 6304 009		
53		_		_		_		7		513 3345 019				513 2769 052		
53	Rating sheet(T)	_				_				<u> </u>				513 2482 009		
60	Caution label					_		e de la companya de l	Managara di Angara 213 3343 008		· . -		513 2462 009			
SCREWS	S & NUTS											1.1111.1111				
	Screw 3X8 CBTS(S)-B	473 7015 018	10	473 7015 018	10	473 7015 018	12	473 7015 018	12	473 7015 018	12	473 7015 018	12	473 7015 018	10	
	Fixing screw	477 0064 107	29	477 0064 107	29	477 0064 107	25	477 0064 107	29	477 0064 107	27	477 0064 107	29	477 0064 107	29	

ADDENDUM PARTS LIST OF PACKING & ACCESSORIES

D. () !-	Don't Name	U.S.A. & Canada Me	odel	U.S.A. Model (AVF	R-87)	Europe Model		Asia Model		China Model		Hong Kong Mo	del	Taiwan R.O.C. Mo	del	Remarks
Ref. No.	Part Name	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Q'ty	Part No.	Qʻty	Hemarks
205	Instruction manual	511 3497 000		511 3506 001		511 3524 009		511 3513 007		511 3514 006		511 3513 007		511 3513 007		
209	Remote control unit(RC-863)	399 0554 003		399 0554 003		_		399 0554 003		399 0554 003		399 0554 003		399 0554 003		
209	Remote control unit(RC-868)	_		-		399 0578 005				_		_				
211	Carton case	501 2052 009		501 2052 012		501 2052 009		501 2052 009		501 2052 009		501 2052 025		501 2052 009		,
											.					

PACKING VIEW



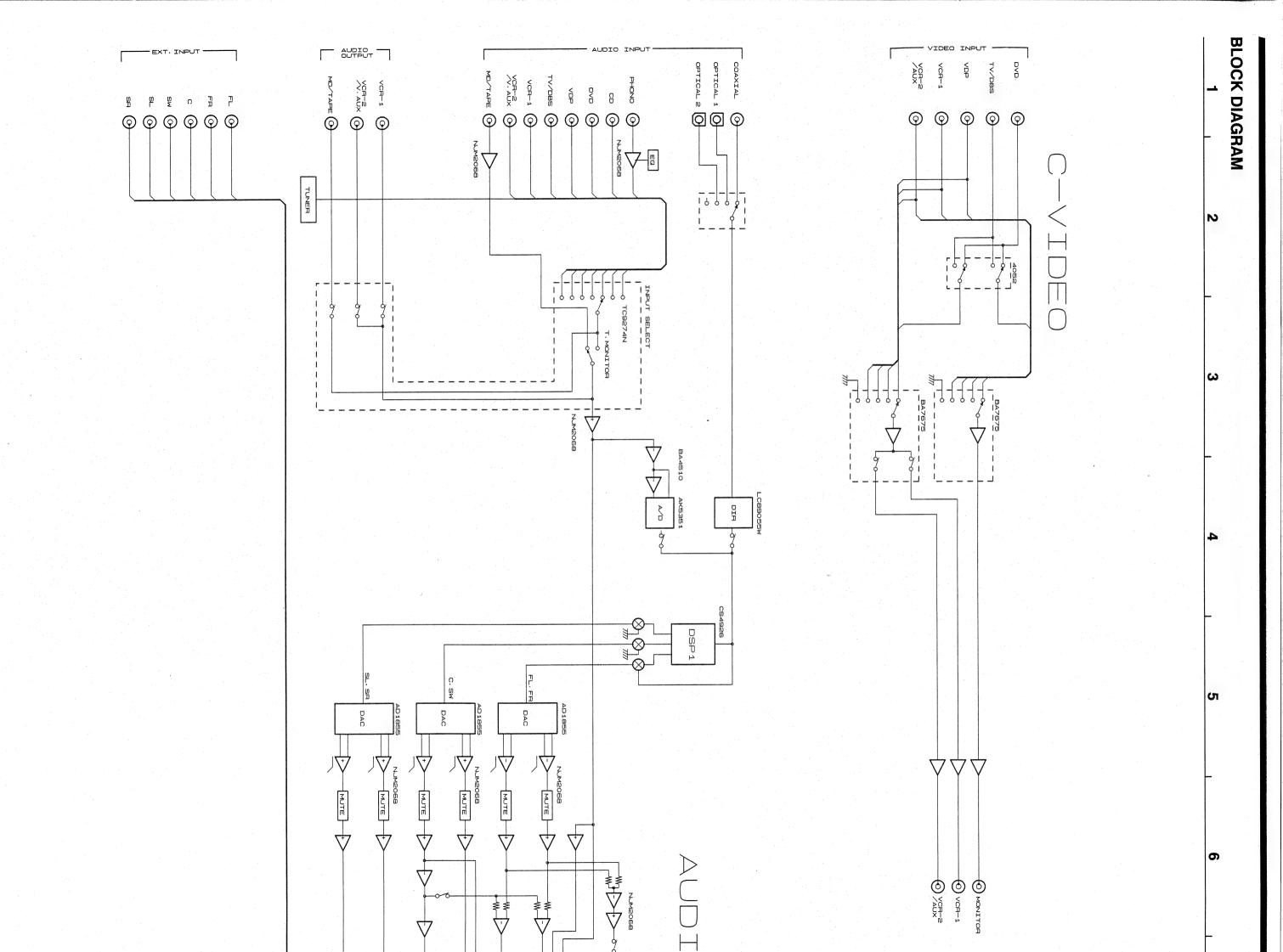
Note: The symbols in the column "Remarks" indicate the following distinations. E3: U.S.A. & Canada model EU: U.S.A. model (AVR-87) E2: Europe model E1: Asia model

PARTS LIST OF PACKING & ACCESSORIES

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
201	503 1330 003	Cushion Ass'y		1	211	Note	Carton case		1
★ 202	503 1333 000	Cushion	for E1H	1	212	513 1389 006	Control card		1
204	505 8006 019	Envelope		1	214	515 0690 307	DEL warranty home	for E3,EU	1
205	Note	Instruction manual		1	★ 215	513 9111 001	Color label (gold)	Gold model	2
206	231 0922 009	Loop antenna		1	217	504 0192 009	Cabinet sheet		1
207	395 0023 008	FM antenna Ass'y		1	218		Battery(R6P/AA×3)		1
208	529 0079 008	FM ant.adapter		1	219	513 3327 008	Bar code label	for E3,EU,E2	1
209	Note	Remote control unit		1	★ 220	513 3322 003	Label(RDS)	for E2	2
210	515 0671 708	S.S. list (EX)		1	★ 221	513 3195 036	KOLIN label(T)	for E3T	1

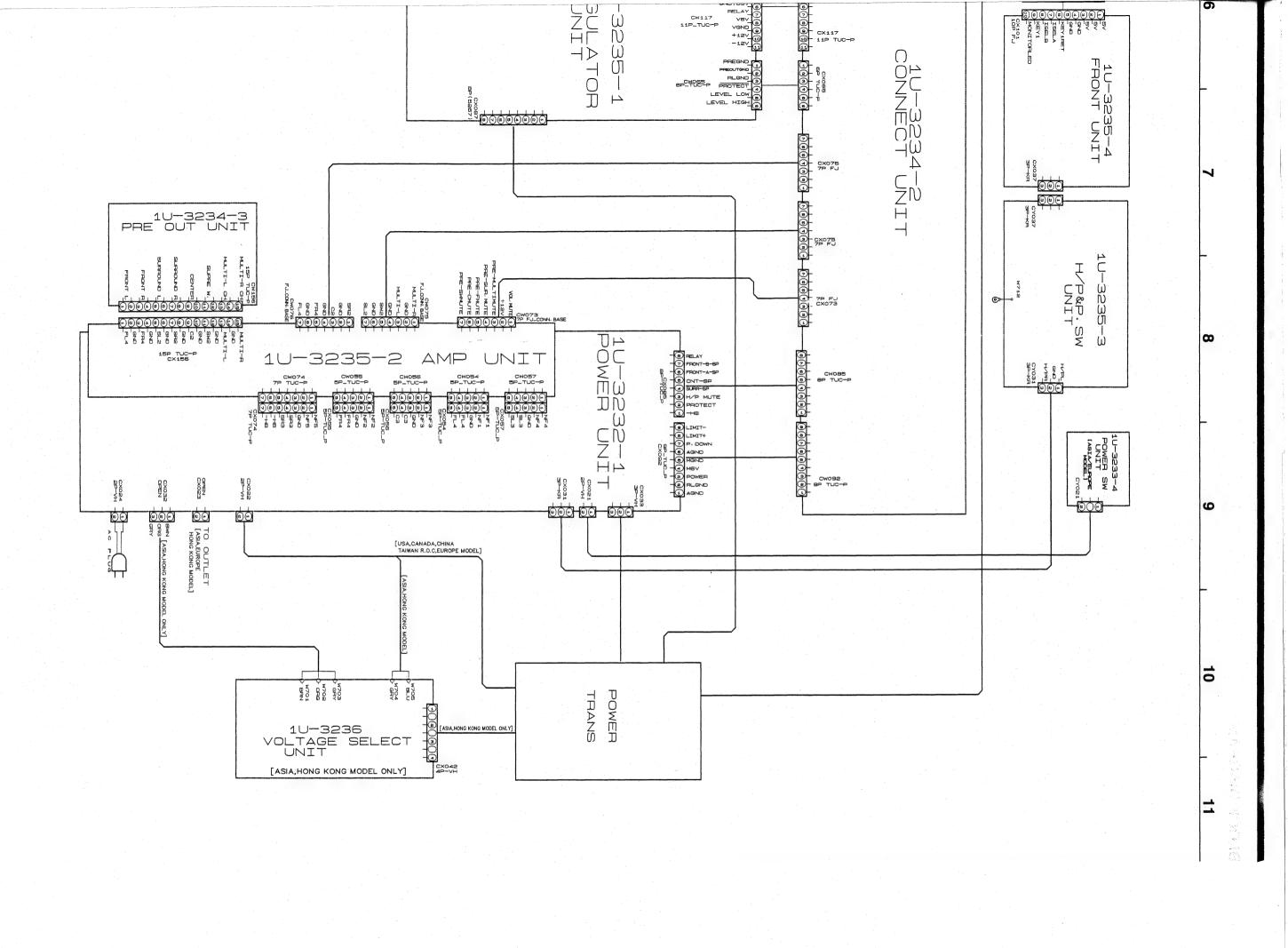
AVR-1800/87

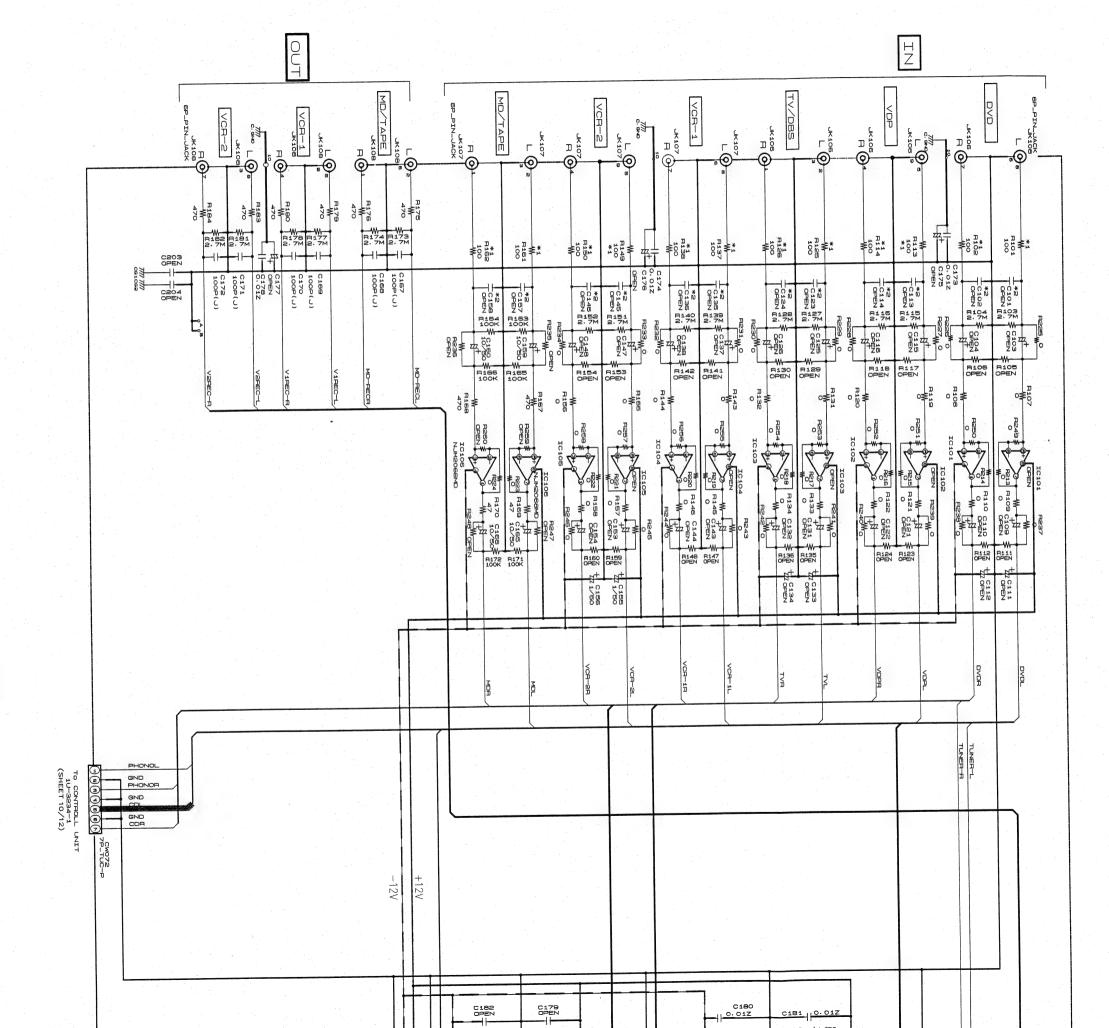
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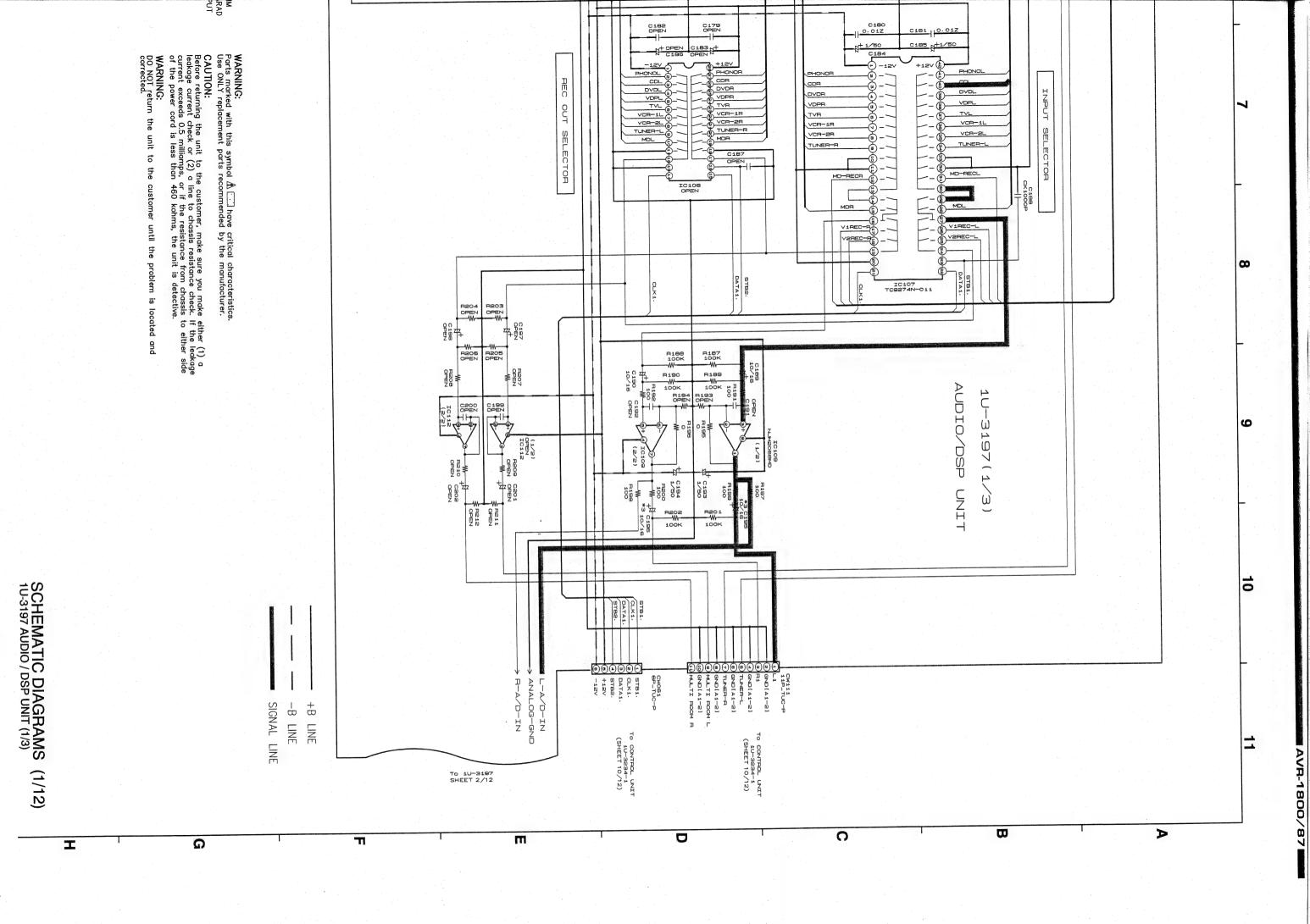
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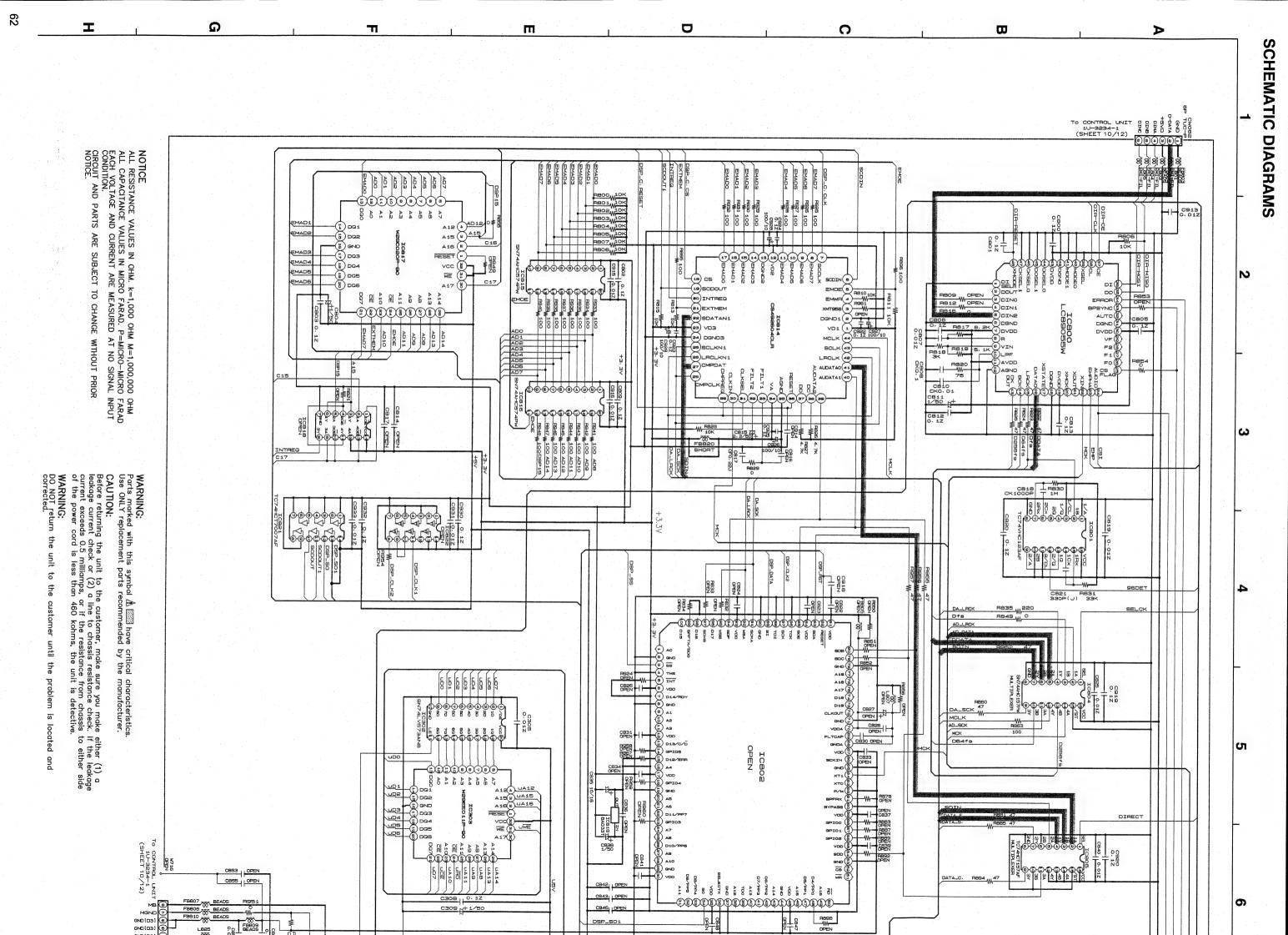




EUROPE	CANADA ASIA		
470	100	*1 R101, 102, 113, 114, 125, 126 137, 138, 149, 150, 161, 162	
330P	OPEN	*2 C101, 102, 113, 114, 123, 124 C135, 136, 145, 146, 157, 158	
100/16	10/16	*3 C195. 196	

NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE MITHOUT PRIOR
NOTICE.

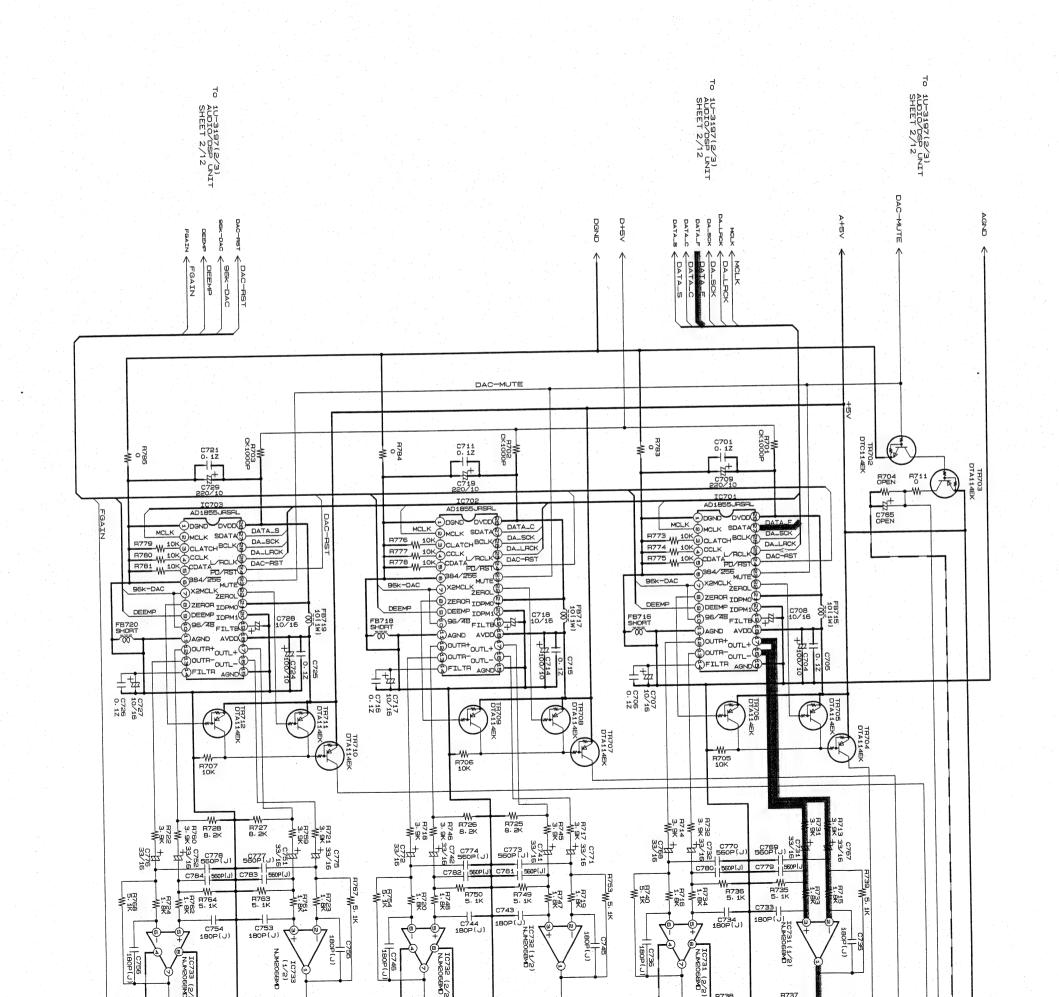


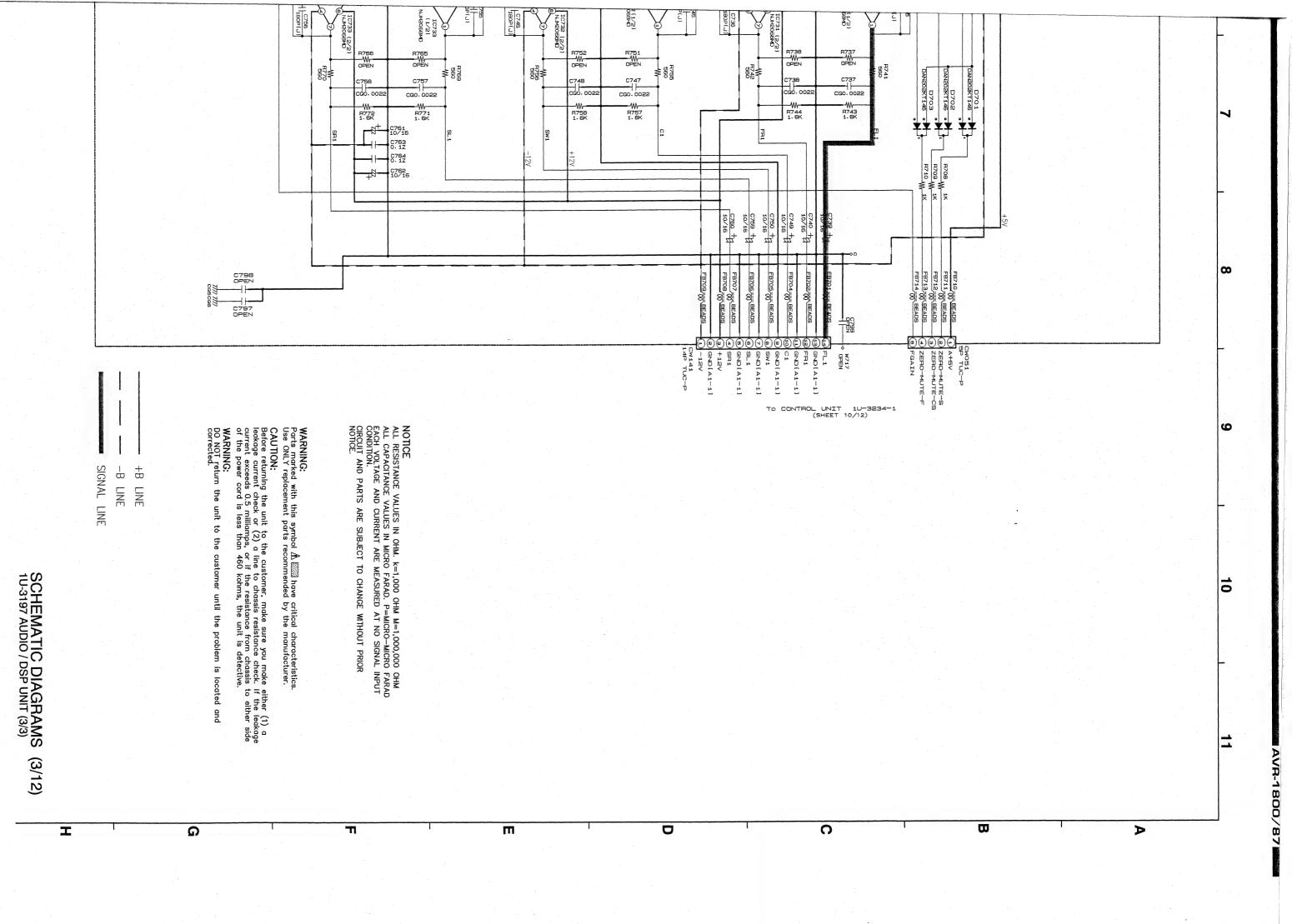


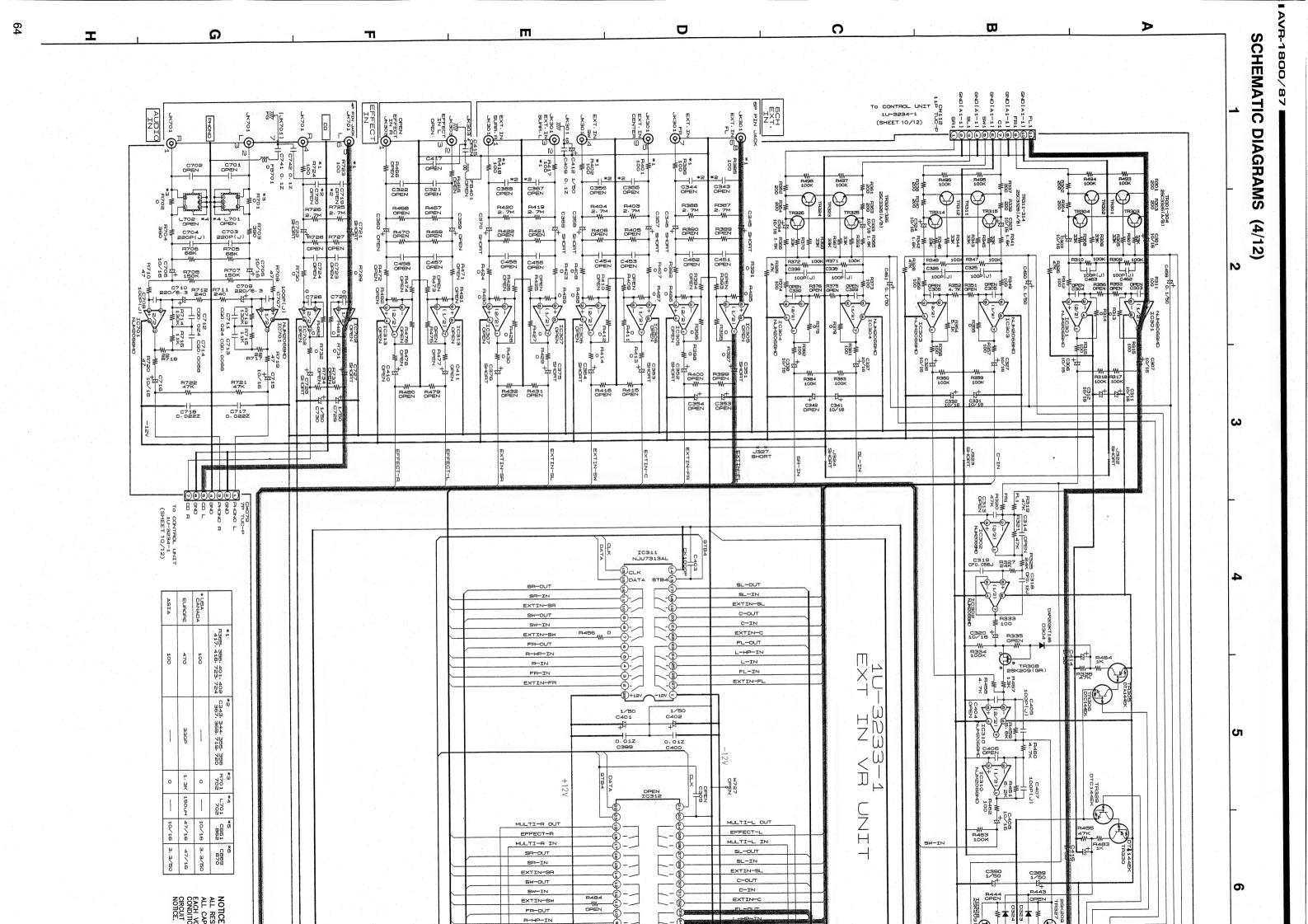
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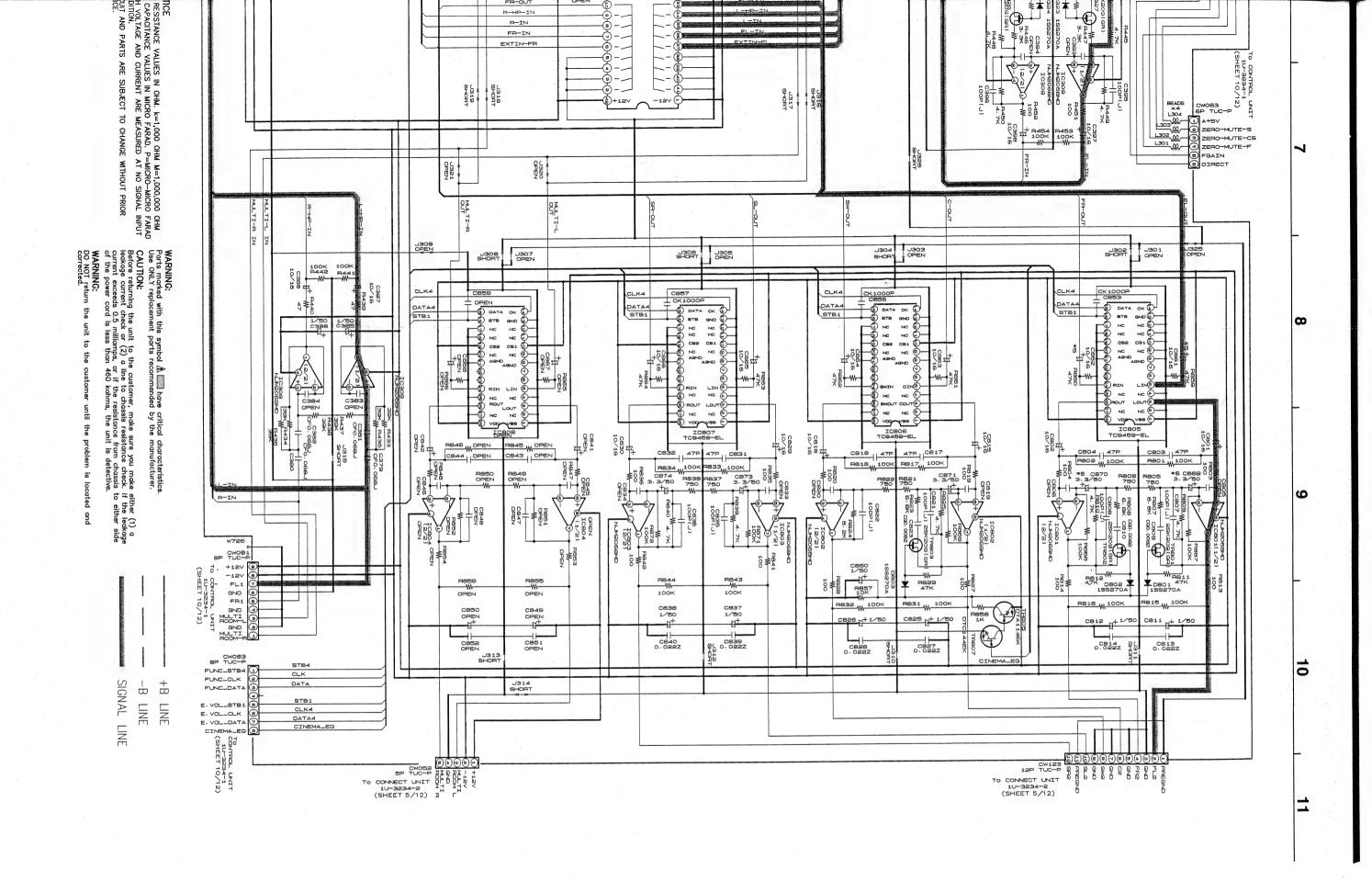
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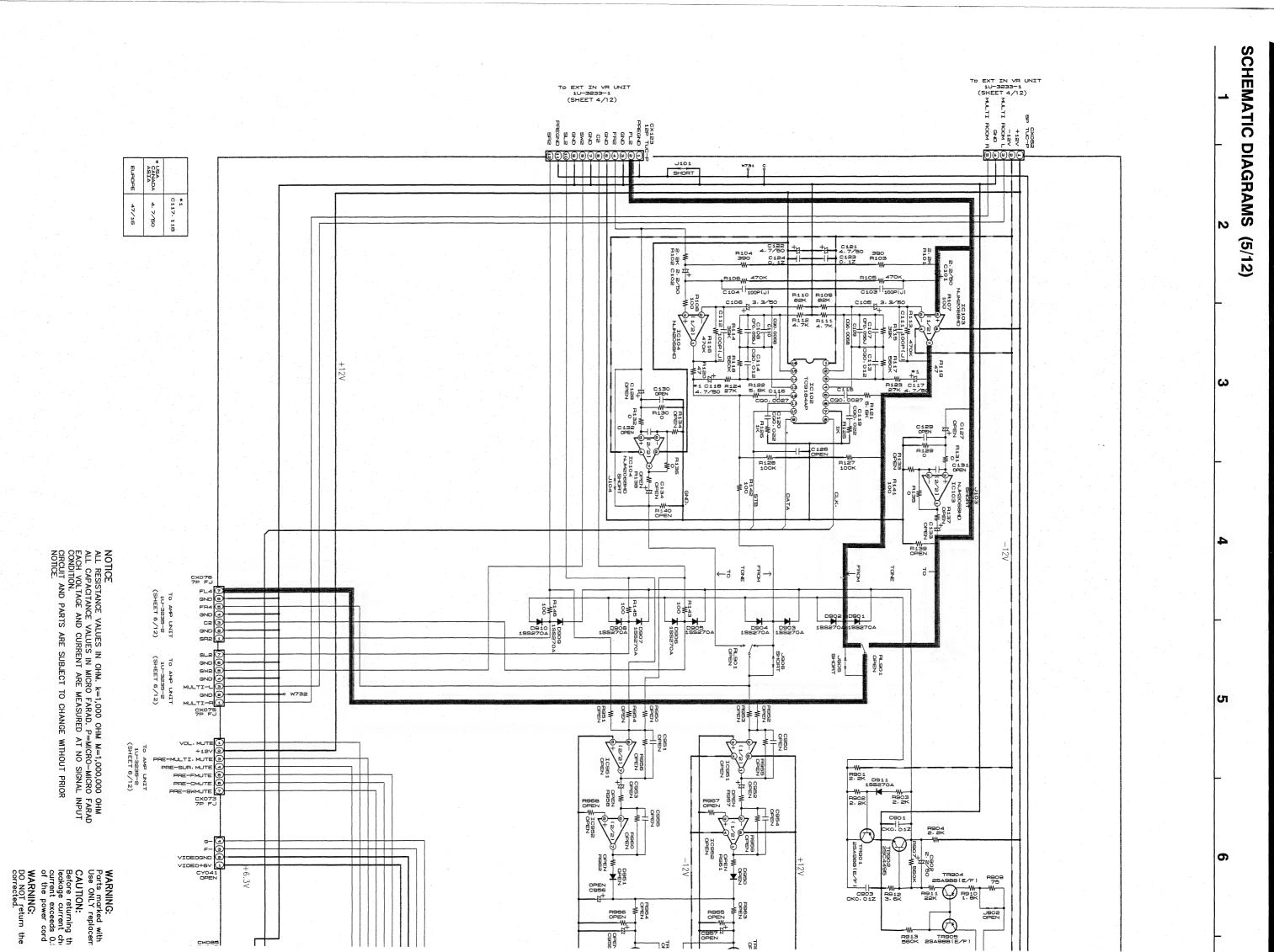
AUDIO/ $\dot{\omega}$ 12 DSP (\mathcal{U}) \subseteq ZH







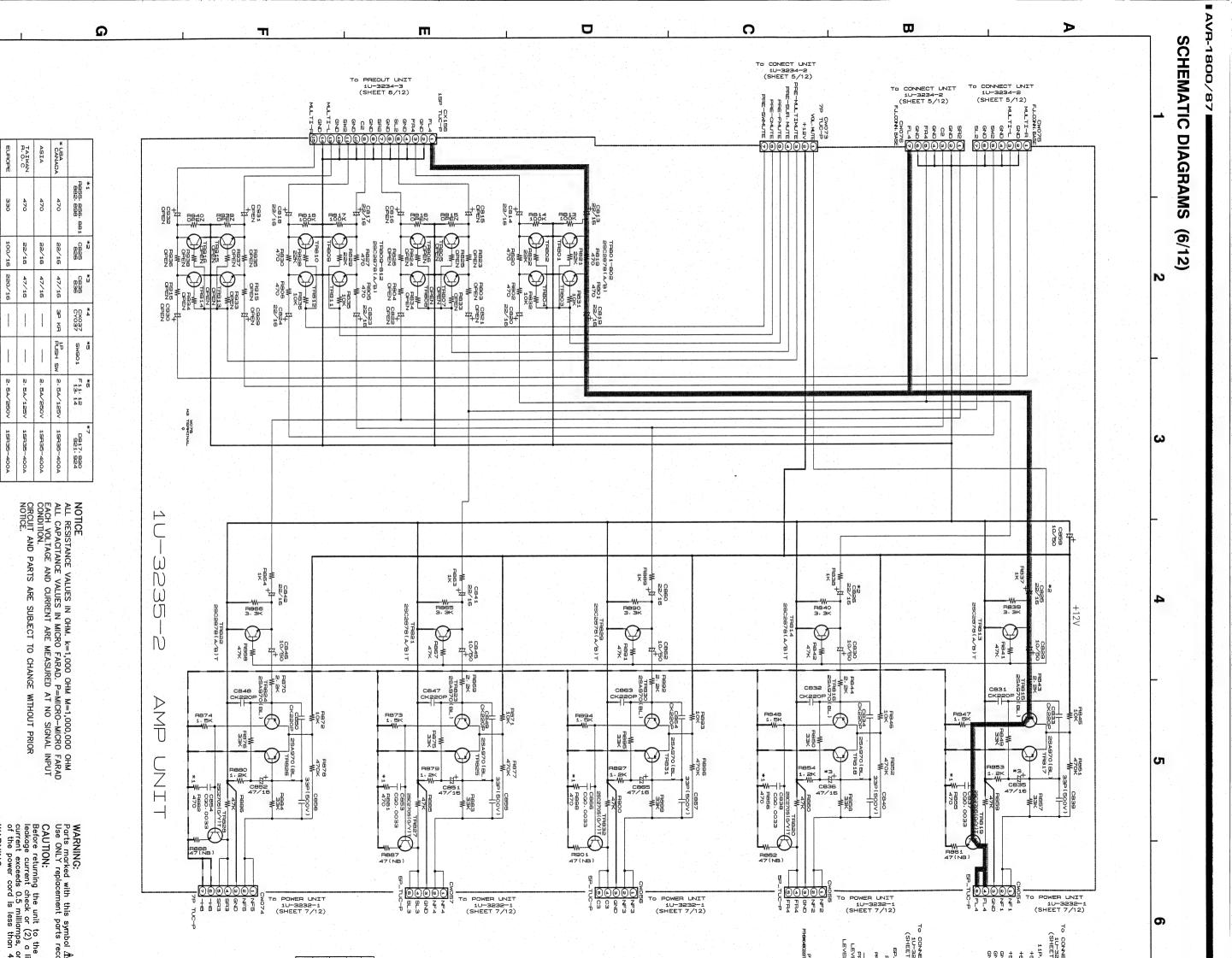




AVR-1800/87

SCHEMATIC DIAGRAMS (5/12) 1U-3234-2 CONNECT UNIT

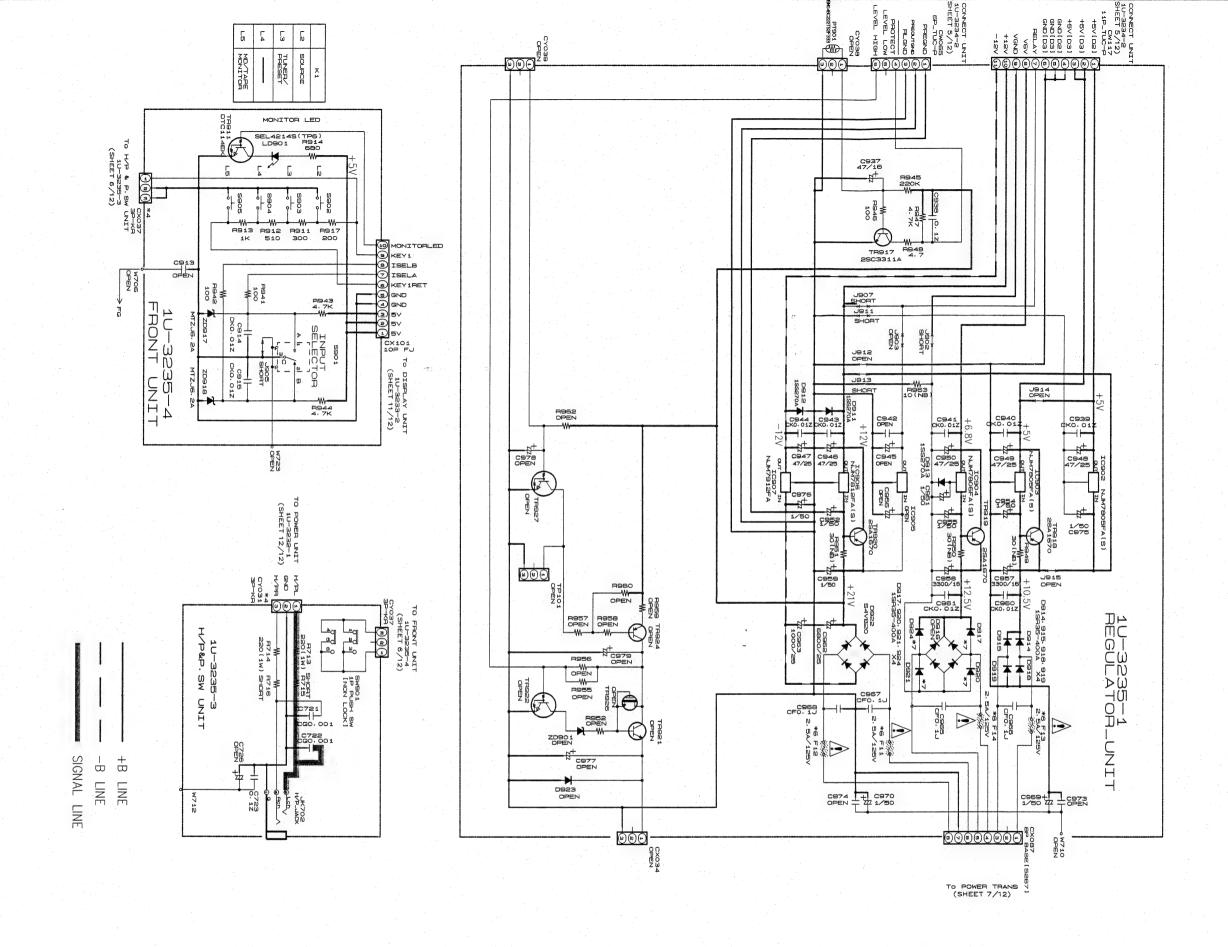
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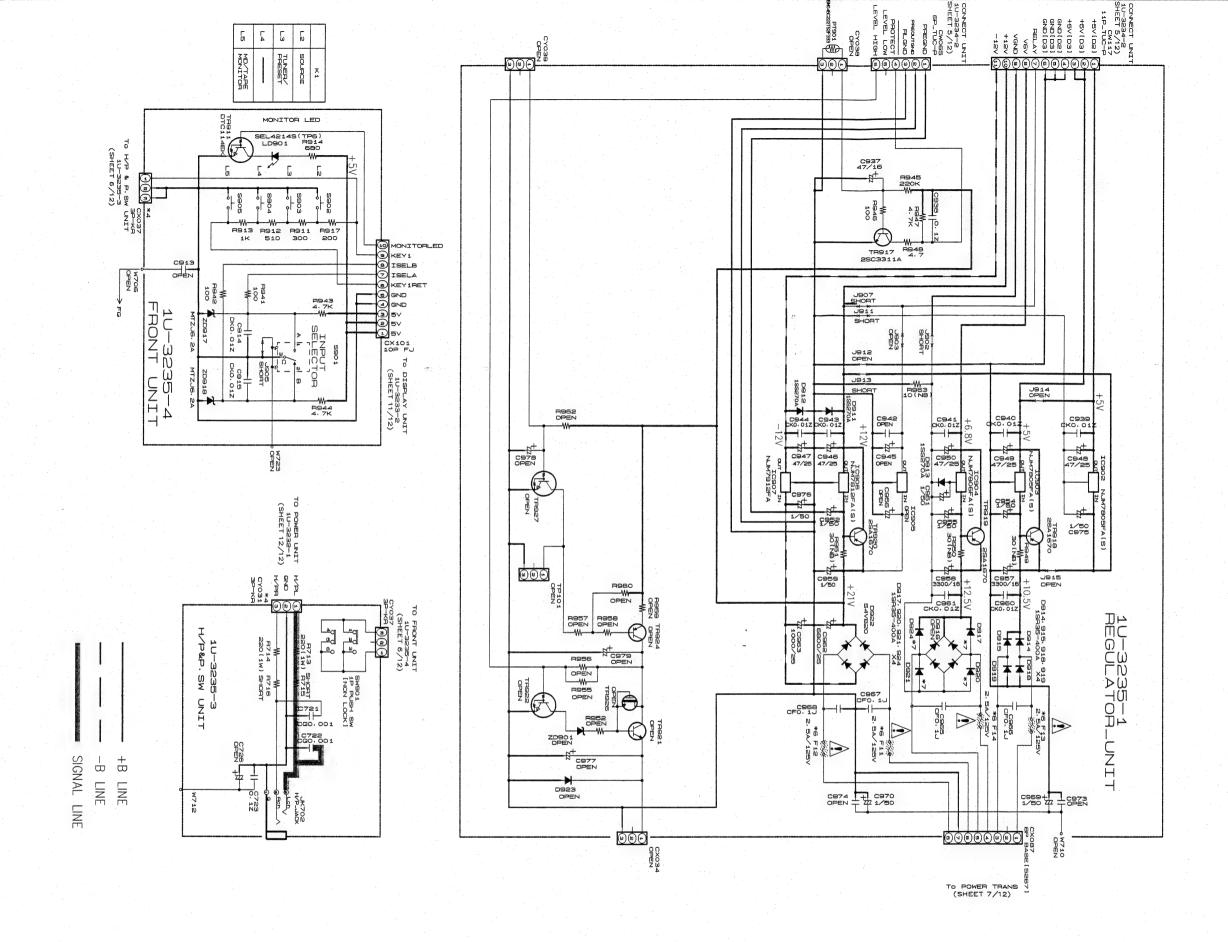
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bol Λ ${
m fine}$ have critical characteristics. s recommended by the manufacturer.

the customer, make sure you make either (1) a (1) a line to chassis resistance check. If the leakage ps, or if the resistance from chassis to either side han 460 kohms, the unit is detective.

until the problem is located and



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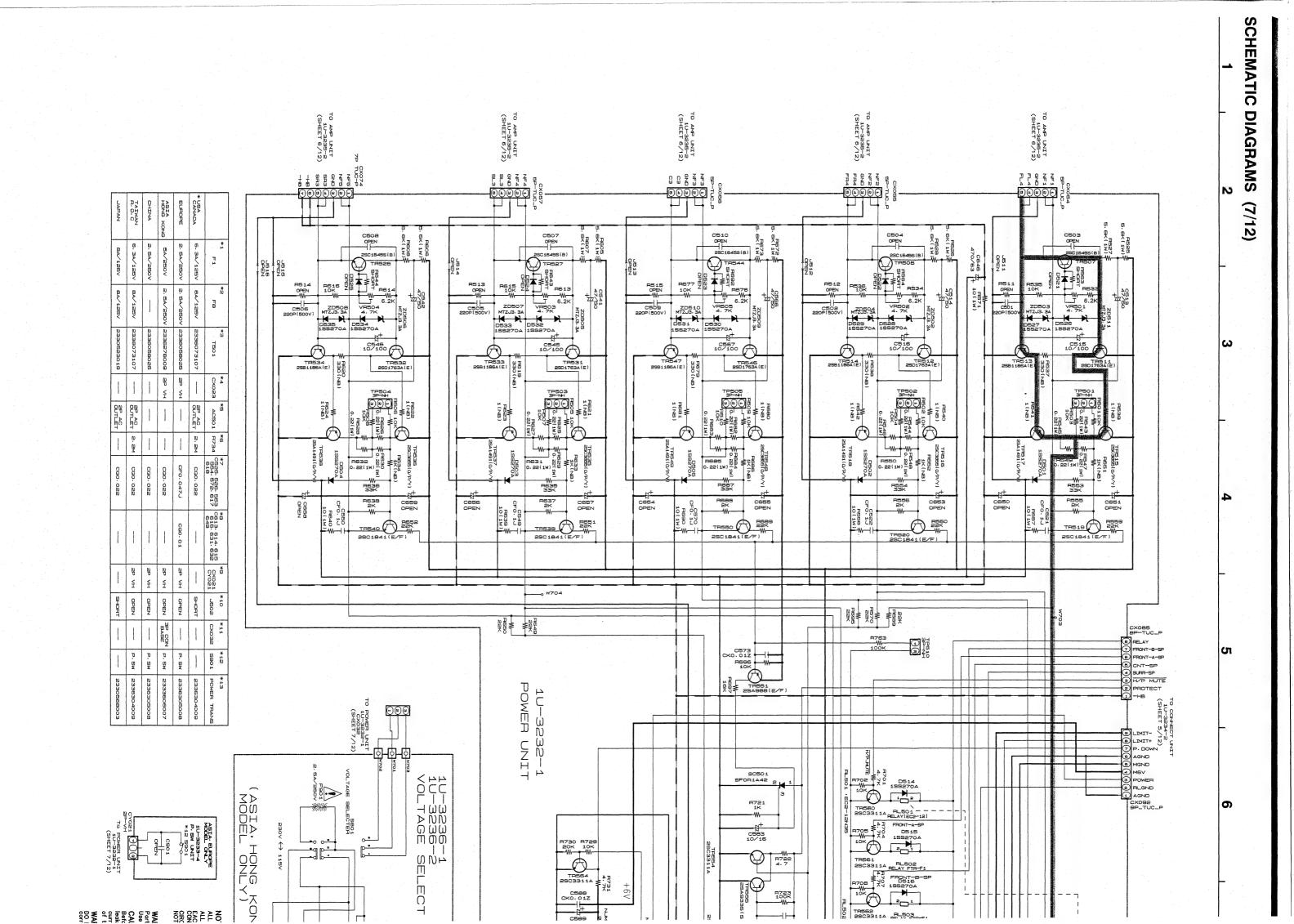
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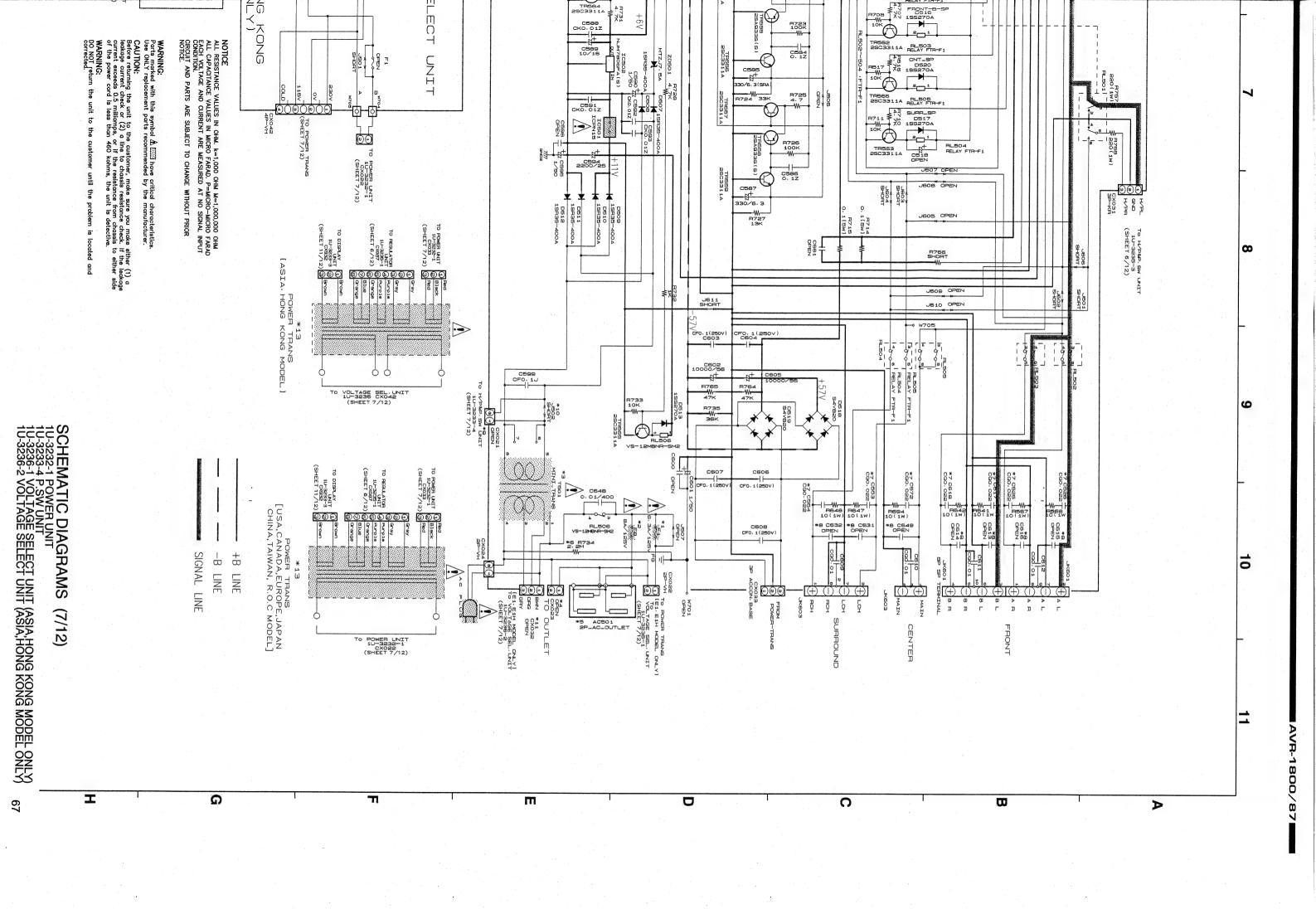
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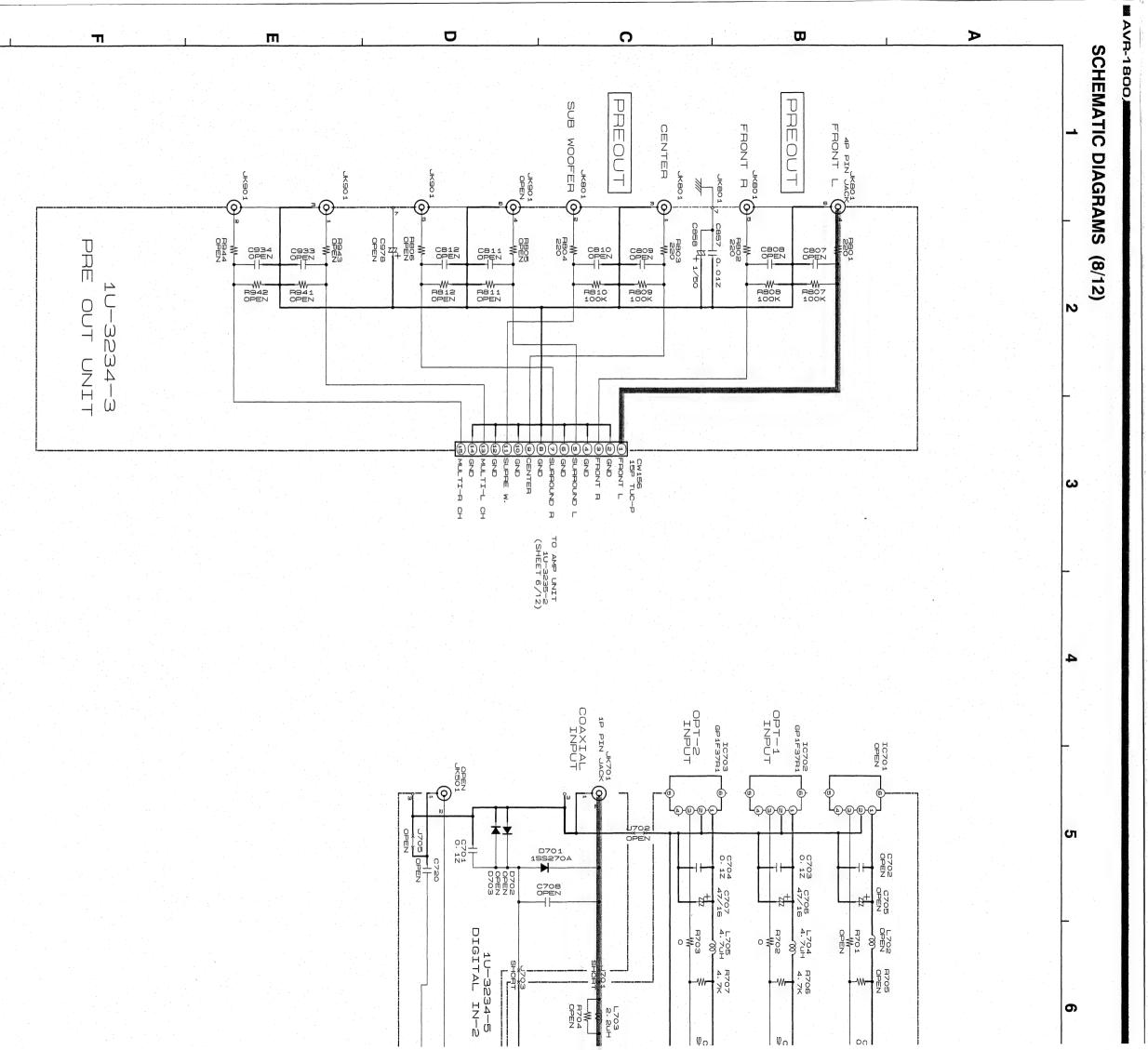
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m fine}$ have critical characteristics. s recommended by the manufacturer.

the customer, make sure you make either (1) a) a line to chassis resistance check. If the leakage ps, or if the resistance from chassis to either side han 460 kohms, the unit is detective.

the customer until the problem is located and







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NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR
NOTICE.

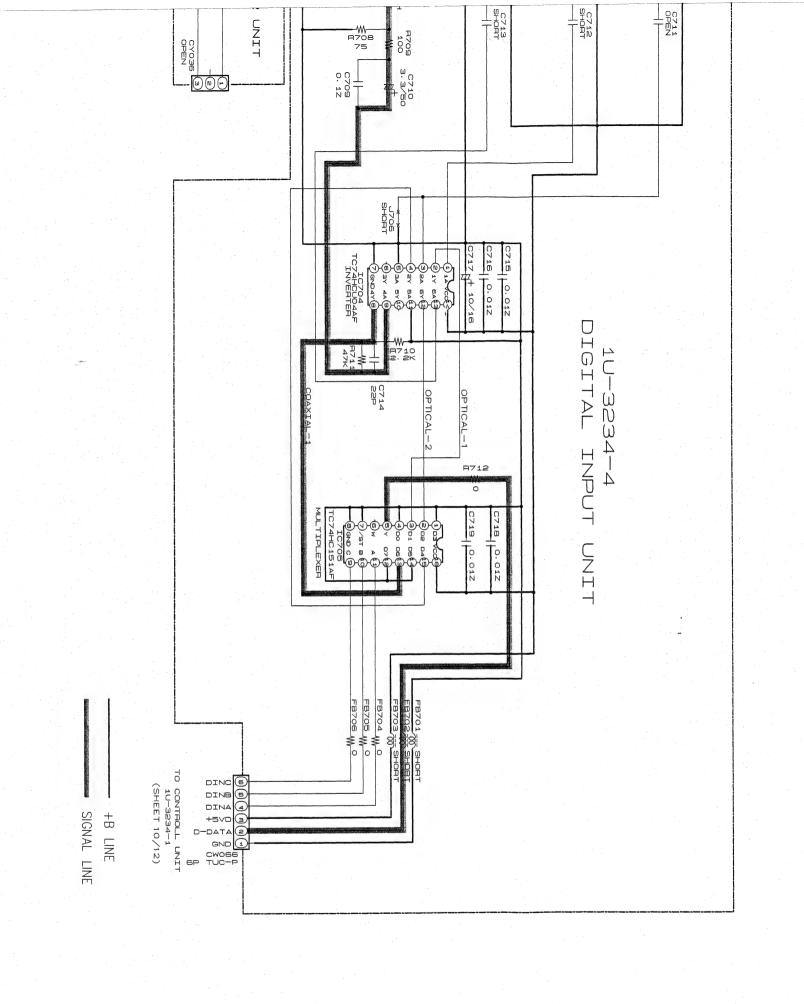
WARNING:
Parts marked with this symbol \$\hbegin{align*}{\text{M}} \emptyset{\text{SM}} \text{ have critical characteristics.} \text{Use ONLY replacement parts recommended by the manufacturer.} \text{CAUTION:} \text{Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is detective.

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WARNING:

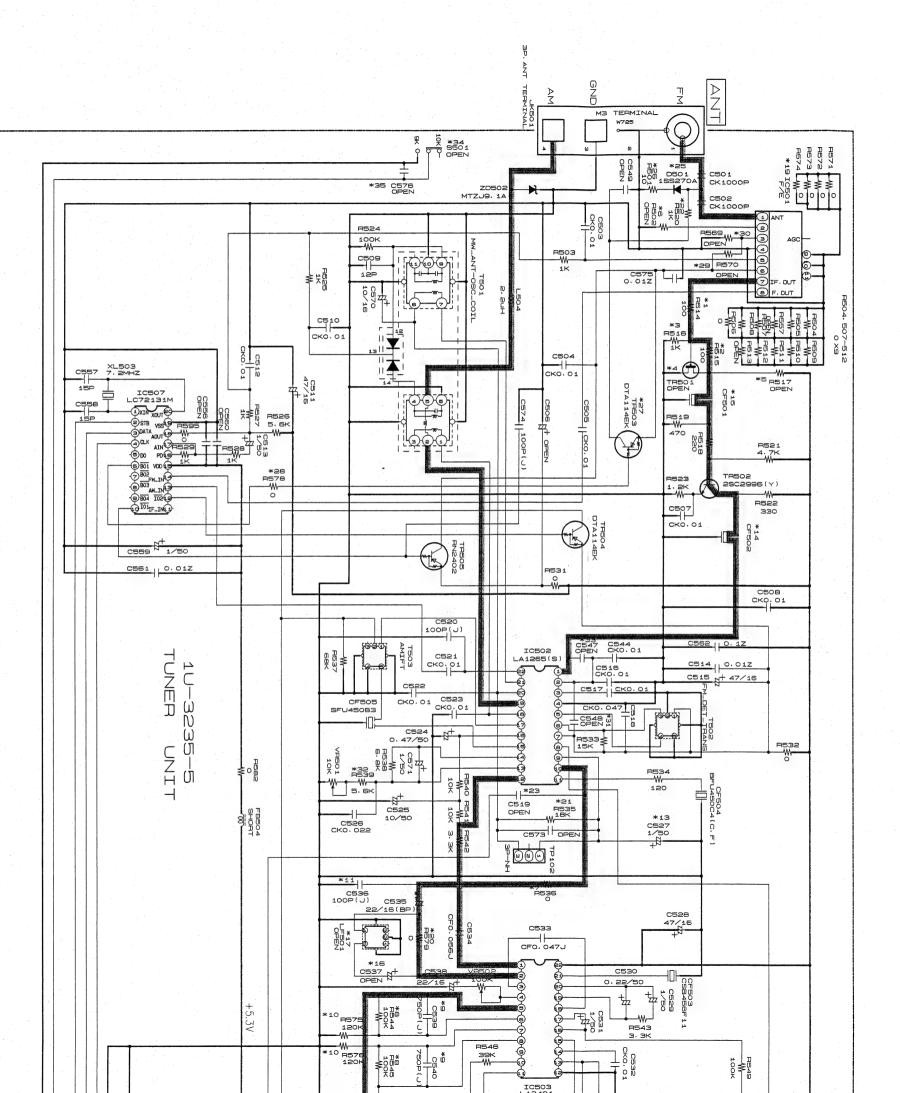
DO NOT return the unit to the customer corrected. until the problem is located and



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NOTICE

ALL CAPACITANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM

ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD

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CONDITION.

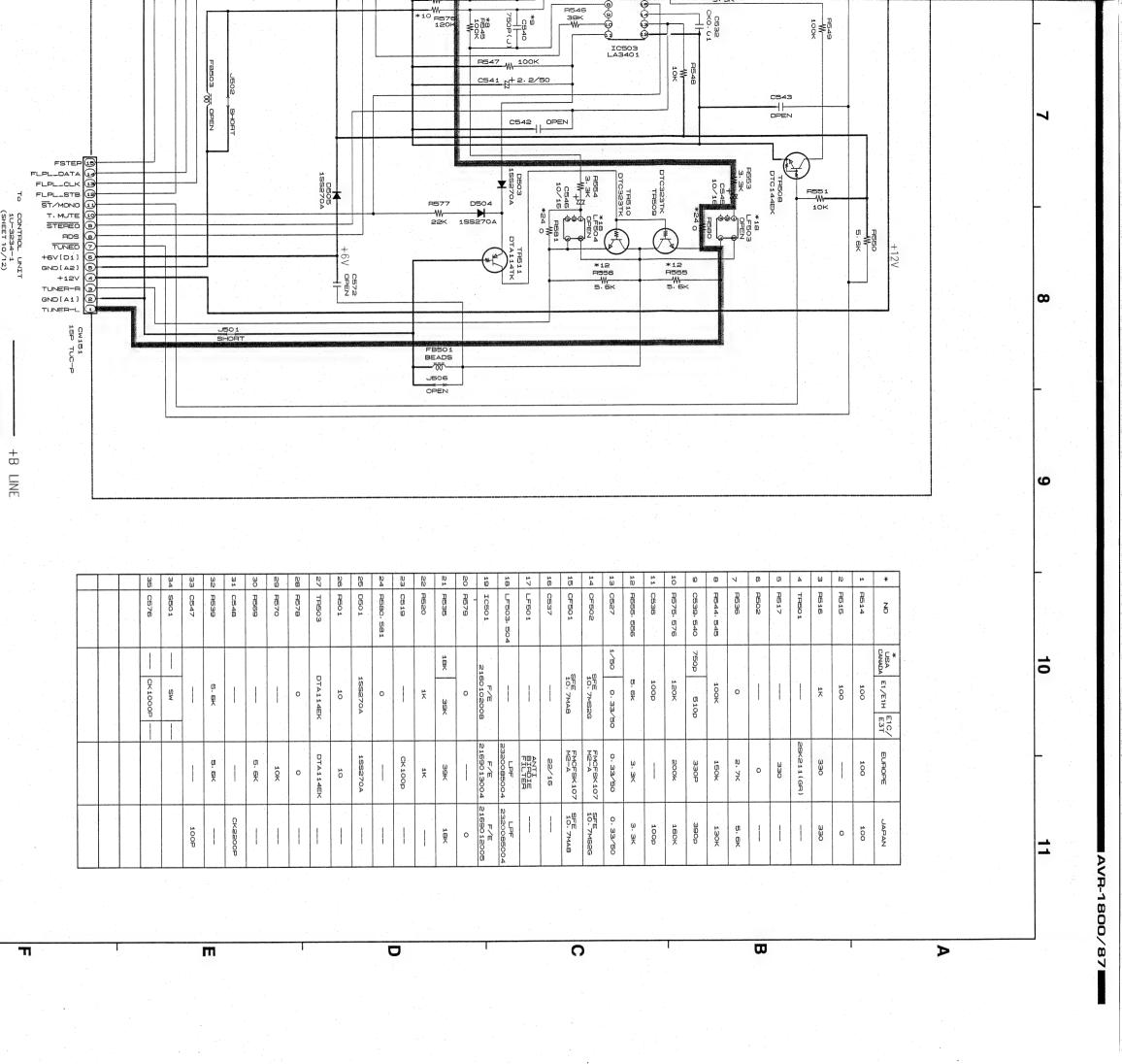
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR

NOTICE.

WARNING:
Parts marked with this symbol \(\bar{A} \) \(\bar{B} \) \(\bar{B} \) have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is detective.



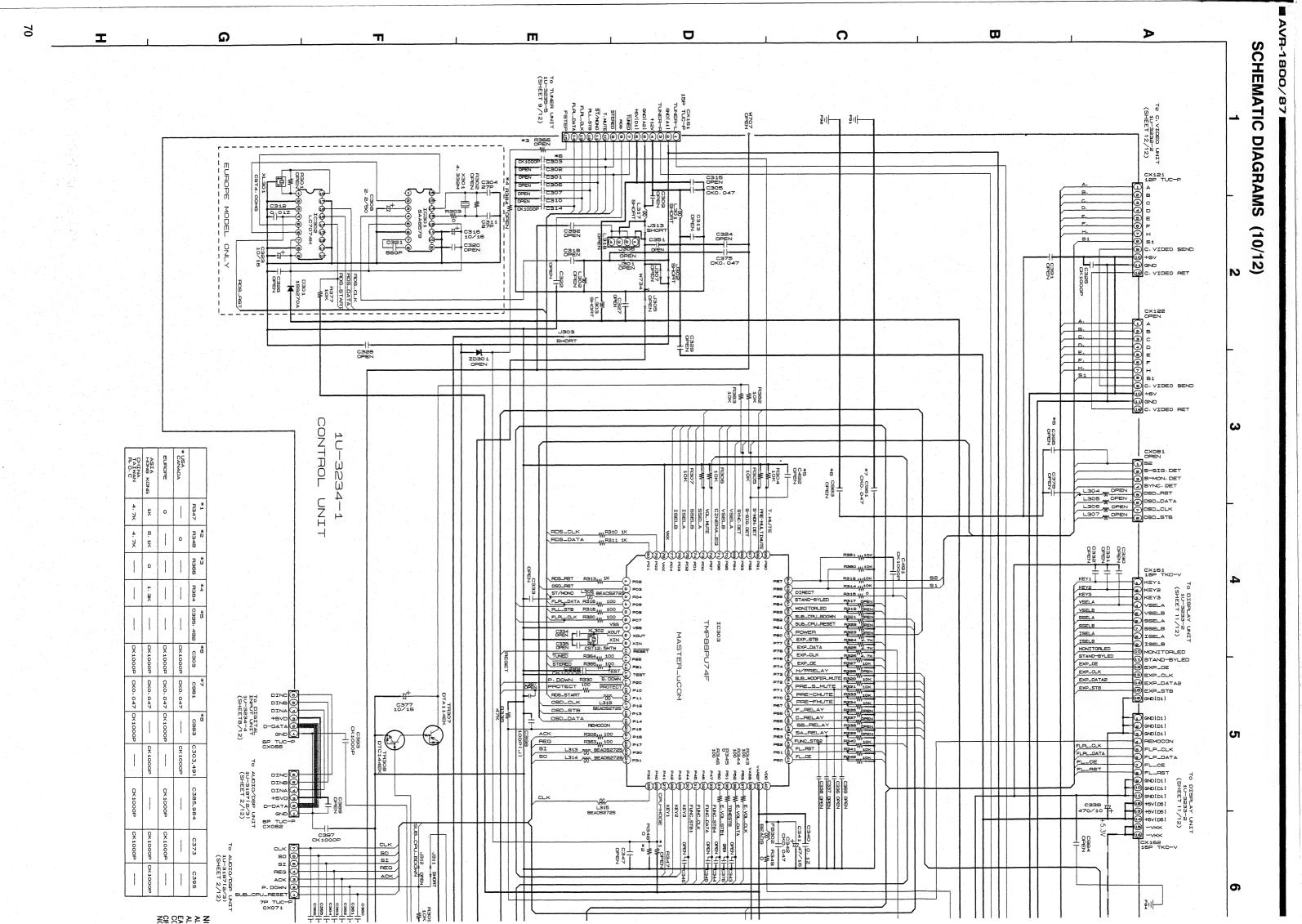
SCHEMATIC DIAGRAMS (9/12) 1U-3235-5 TUNER UNIT

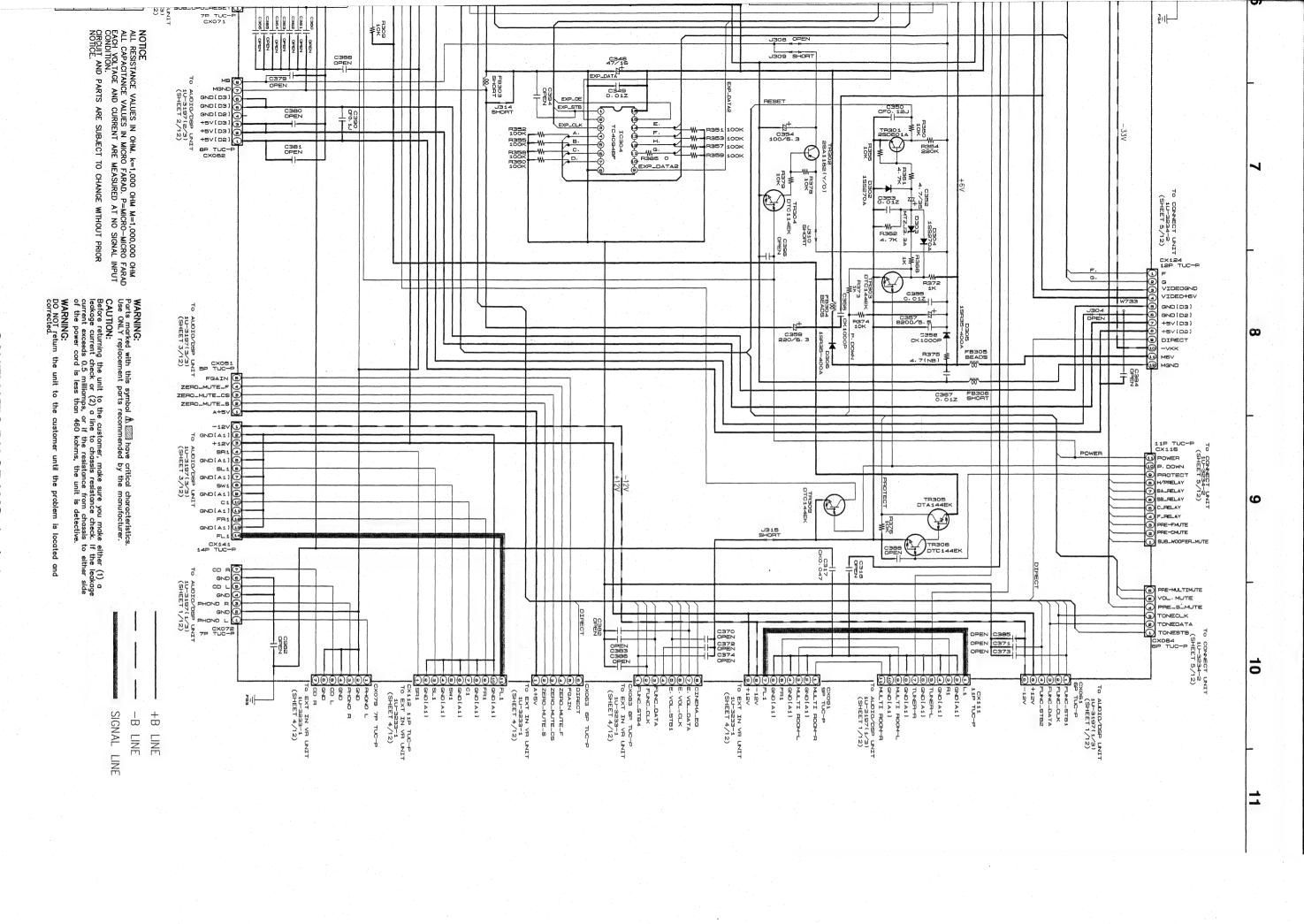
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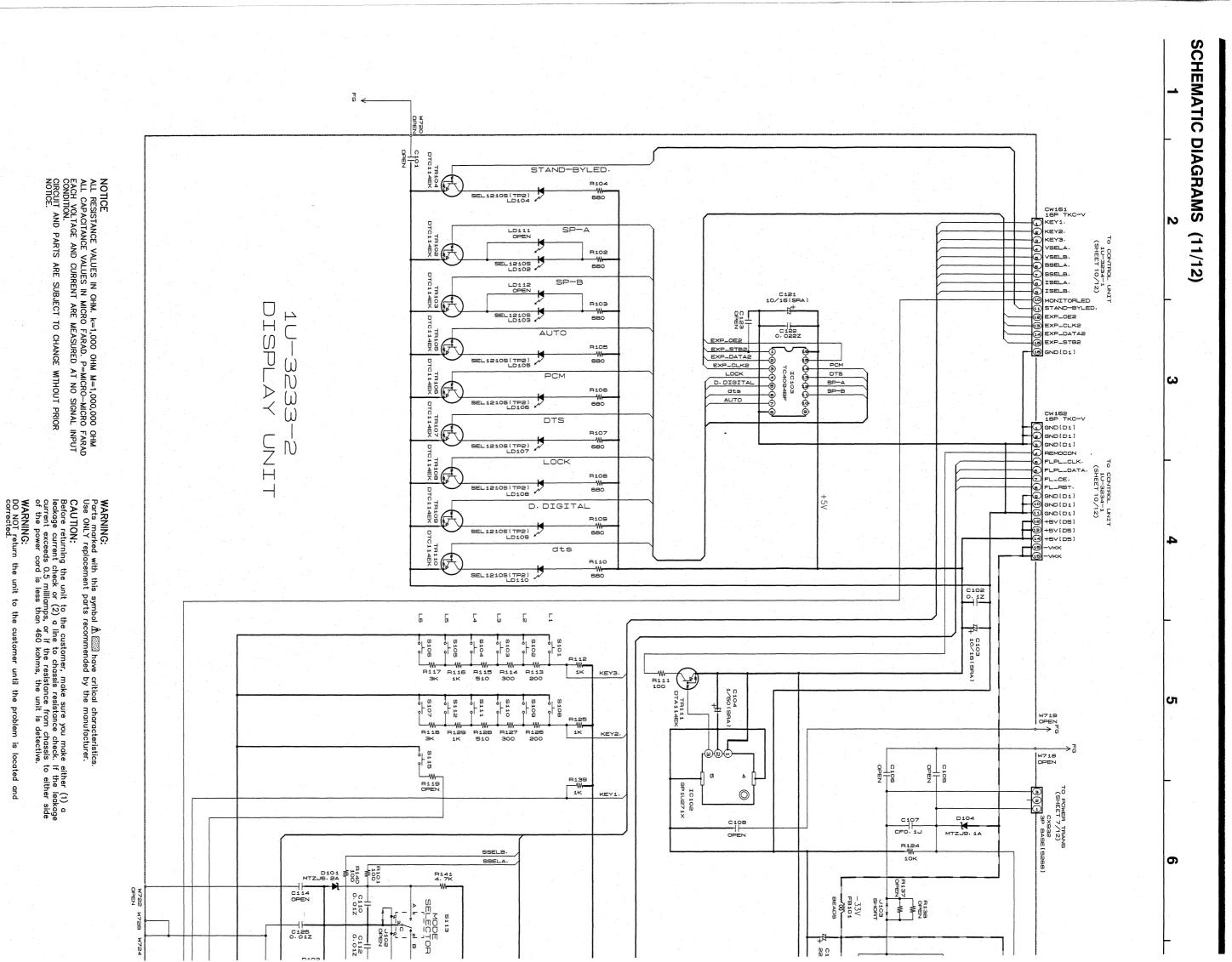
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AVR-1800/87 SCHEMATIC DIAGRAMS (12/12)

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HOTINOM VCH-2X V. AUX PIN JACK VCH-2 V. AUX VCH-1 DVD @ @ 0 0 FB102 SHORT FB101 SHORT S270A 0403 1401 1401 2450 H408 H407 75 H405 755 756 C401 4.7/50 (SRE) C446 (SRE) H401 68 W H410 OPEN PA09 68 330/6.3(SAA) C441 4. 7/50 PA11 C403 4.7/50 (SRE) NC404 4.7/50 C402 4.7/50 (SRE) (SRE) C405 H 4.7/50 4. 7/50 (SF C423 10/16 (SAE) R413 W 200 R417 W 200 9412 W 200 SRE) C410 100/10 (SHE) 0 + C412 10/16 (SRE) -WIB ₹ď TR401 2Pa1015(GH) \bigcirc 1 __ VIDEO C444 + 10/16 C415 + (SHE) -3232 H420 Q OUT 2
Q OUT 2
Q OUT 2
Q OUT 2
Q OUT 2 R421 W OPEN CZHT N J403 SHORT m o H422 OPEZ W H423 OPEZ OPEN C418 (SRE) C417 OPEN OPEN (SRE B R425 C R426 C R426 C R427 F R429 H R430

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NOTICE

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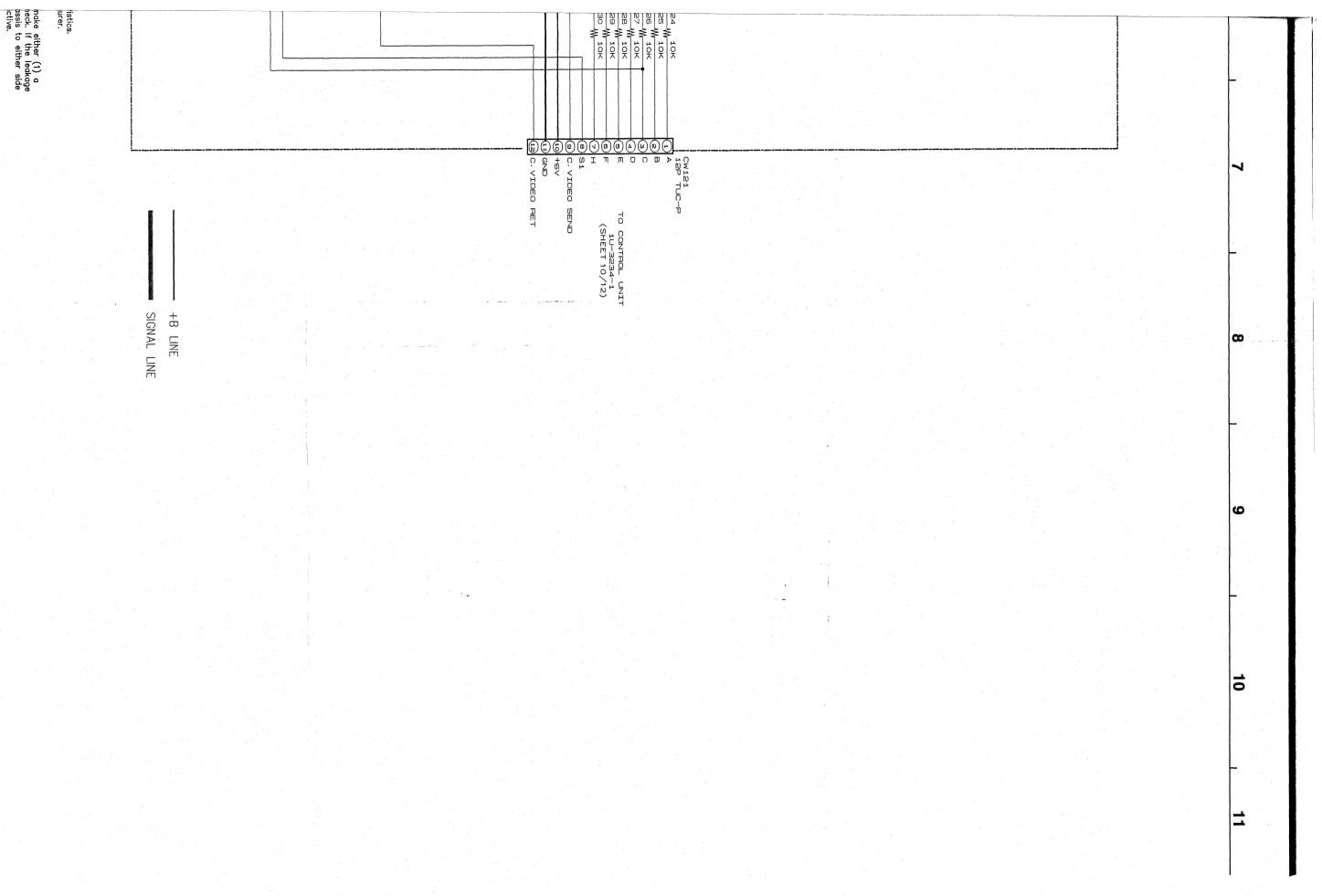
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR

NOTICE.

WARNING:
Parts marked with this symbol \$\hbegin{align*}{\text{M}} \equiv \text{M} \text{ marked with this symbol } \hbegin{align*}{\text{M}} \text{ marked by the manufacturer.} \text{Use ONLY replacement parts recommended by the manufacturer.} \text{CAUTION:} \text{Before returning the unit to the customer, make sure you make leakage current check or (2) a line to chassis resistance check. I current exceeds 0.5 milliamps, or if the resistance from chassis to f the power cord is less than 460 kohms, the unit is detective.} \text{

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is located and